

AD-A150 398 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) 1/4
WHIDBEY ISLAND WASHINGTON(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
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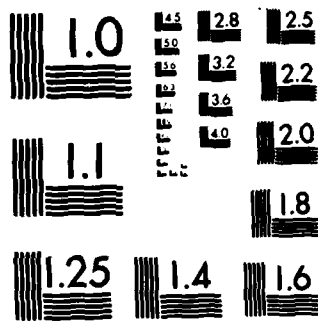
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AD-A150 398

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S'mos, Whidbey Island, Wa.
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Aug 1984

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

SMOS

AD-A150 398

STATION: #24255 Whidbey Island, WA
PERIOD: HOURLY 1/73-12/82
DAILY 4/45-12/82

JOB NO. 72006 DATE August 1984

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL MS 39529

NAVAL OCEANOGRAPHY
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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Whidbey Island, WA		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO OR SUMMARY		STATION NAME		LONGITUDE		STATION ELEV. (FT)		CALL SIGN		WMO NUMBER	
24255		Whidbey Island, Washington		48°21'N		122°40'W		47		KNWU	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	Weather service office in ops bldg	Navy	*1949	1955	48°21'N	122°40'W	25	Tunnelot	24
2.	In penthouse above main portion of the roof of new ops bldg	"	1955	1965	"	"	54	"	24
3.	Weather service office, bldg #385	"	1965	1973	"	"	32	Fortin	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND		
1.	Installed	Atop Operations bldg	3-cup Selsyn	Double Register	-	* Earlier documentation not available. 1. Barometer, aneroid (ML-448/UM) 2. Barograph (BELFORT) 3. Automatic met sta (AN/GMQ-29) 4. Ceiling light 5. Cloud height set (AN/GMQ-13B) 6. Transmissometer (AN/GMQ-10)	
2.	1955	Atop "Penthouse" located atop of the main portion of new ops bldg	"	"	58'		
3.	1959	Both selsyn and double register anemometers removed and replaced with AN/UMQ-5 which is located 2800' from the ops bldg on a bearing of 059°	AN/UMQ-5	RD-108B	13'		
4.	1963	Runway intersection	AN/UMQ-5C	RD-108	13'		

NCCD, Federal Building

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

STATION 0510 PHOENIX

STATION NAME STATION 0510 PHOENIX YEARS 1967 MONTH JUL

STATION 0510 PHOENIX 113.16 33.45 170000 FT 1000000

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	0000	0	0	0	0	0	1.0	70.0	0.0	1.0	0	73.0	0
	0100	0	0	0	0	0	4.0	30.0	0	0	0	76.0	93.0
	0200	0	0	0	0	0	0.0	0.0	0.0	0	0	74.0	104.0
	0300	0	0	0	0	0	0.0	1.0	0.0	0	0	72.0	104.0
	0400	0	0	0	0	0	0.0	0.0	0.0	0	0	72.0	100.0
	0500	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	0600	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	0700	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	0800	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	0900	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1000	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1100	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1200	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1300	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1400	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1500	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1600	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1700	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1800	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	1900	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	2000	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	2100	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	2200	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
	2300	0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0
TOTALS		0	0	0	0	0	0.0	0.0	0.0	0	0	70.0	100.0

WEATHER CONDITIONS

STATION NAME STATION NAME YEARS 1950 MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
JAN	01		14.2		3.0		17.7	17.1	.3			17.1	21
	02		16.5		2.2		16.7	21.3				20.3	110
	03		15.1	.3	1.2		15.0	16.3				16.3	310
	04		14.2		3.1		17.7	12.2	.3			12.5	310
	05		15.2		3.5		14.1	12.3	.6			15.6	310
	06		17.7		2.6		20.3	9.6	.6			9.6	310
	07		15.5		3.2		15.4	11.3	1.3			11.3	310
	08		14.2		2.2		17.1	13.2	1.3	.3		14.2	310
	09												
	10												
	11												
	12												
TOTALS			14.2	.3	2.2		17.7	13.2	.5	.3		14.1	2422

WEATHER CONDITIONS

14711 2096-54321

4

STATION NAME: STATION NO. FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS YEARS MONTHS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	1		16.7		1.1		17.7	16.1	.4			12.1	222
2	1		13.6		1.1		16.1	16.2	.7			12.2	262
3	1	.4	20.6		4.1		21.6	12.9	.7			12.3	255
4	1		13.3		2.1		15.2	1.6	.7			11.0	233
5	1		15.2		1.0		16.2	7.4	1.1			9.2	247
6	1		14.9		1.1		15.2	5.7	.7			8.4	262
7	1		13.4		1.1		16.1	7.4	1.4			8.5	232
8	2		13.1		1.1		14.2	.9	.4			8.9	287
TOTALS		.1	17.4		1.1		17.6	10.2	.9			10.7	2259

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WEATHER CONDITIONS

STATION NAME LA JOLLA YEARS 1970 MONTH 04

NOTATION: PRECIPITATION IS OCCURRENCE OF RAIN OR SNOW FALLING FROM CLOUDS ONLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
04	1		0.0				0.0	0.0	0.0			0.0	1
	2		1.0				10.0	1.0				10.0	1
	3		1.0				10.0	0.0	0.0			0.0	1
	4		1.0				10.0	0.0				0.0	1
	5		0.0				0.0	0.0				0.0	1
	6		0.0				0.0	1.0				1.0	1
	7		0.0				0.0	1.0				1.0	1
	8		1.0				10.0	0.0				0.0	1
	9		1.0				10.0	0.0	0.0			0.0	1
TOTALS			11.0				10.0	1.0	0.0			0.0	7

WEATHER CONDITIONS

14771 2096-54321

4

STATION NAME: STATION YEARS MONTH

QUANTITATIVE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	1		10.7		.7		17.3	3.3				7.3	100
2	1		10.7				10.7	1.3	.3			6.7	100
3	1		7.0				3.0	1.0				6.0	100
4	1		10.7		.7		10.7	2.0				2.0	100
5	1		7.1				7.1	1.0				1.0	100
6	1		3.0				3.0	1.0				1.0	100
7	1		10.0				12.0	.7				.7	100
8	1		13.2				17.3	1.3				1.3	100
9													
10													
11													
12													
TOTALS			10.6		.1		15.0	3.7	.			3.3	2400

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WEATHER CONDITIONS

STATION	DATE	TIME	WIND	WAVE	SEA	SWELL	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT	WAVE LENGTH	WAVE FREQUENCY	WAVE ENERGY	WAVE POWER	WAVE DIRECTION	WAVE HEIGHT	WAVE LENGTH	WAVE FREQUENCY	WAVE ENERGY	WAVE POWER
1	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
3	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
4	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
5	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
6	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
7	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
8	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
9	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
10	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
11	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
12	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
13	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
14	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
15	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
16	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
17	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
18	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
19	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
20	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
21	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
22	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
23	10/10/10	10:00	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
24	10/10/10	10:00																	

STATION NAME
...

...

YEARS

MONTH

[illegible]

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Jan	1		11.				11.0	1.4				0.2	710
	2	.3	13.0				12.	0.9				0.0	710
	3		13.0				13.0	.7				.7	710
	4		7.0				7.4	1.0	.3			2.3	710
	5		7.0				9.0	1.3	.3			1.6	710
	6		8.0				9.	1.3	.3			1.6	710
	7		10.0				10.0	2.0				2.0	710
	8		10.0				12.0	2.0	.3			1.0	710
TOTALS			10.0				12.0	1.6					2600

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WEATHER CONDITIONS

14771 2096-54321

STATION NAME _____ STATION _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1-1	1		2.0				2.0	2.0				3.7	700
1-2	2		12.3				12.3	1.0				5.0	300
1-3	3		12.0				12.0	1.0				14.0	700
1-4	4	.3	9.7				9.7	1.7				6.7	700
1-5	5		2.3				2.3	1.7	.3			1.3	300
1-6	6		7.2				7.2	1.7	.3			.3	300
1-7	7		5.3				5.3	.3				.3	300
1-8	8		9.7				9.7	1.7				1.7	700
TOTALS		.3	9.0				9.0	9.4	.1			6.5	2600

NAVWEASERVCOM

WEATHER CONDITIONS

YEARS

MONTH

DETERMINATE FREQUENCY OF OCCURRENCE OF "CRITICAL" CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	17		6.1				6.1	9.0				9.0	11
	18	1.0	9.0				9.0	12.0				12.0	11
	19	.6	7.8				7.8	16.2				16.2	109
	20	.3	6.1				6.1	9.7	.3			10.0	11
	21	.3	5.0				5.0	2.0				2.0	11
	22	.3	4.5				4.5	1.0				1.0	113
	23	.3	4.6				4.6	1.3				1.3	110
	24		4.0				4.0	2.0				2.0	110
TOTALS			4.9				4.9	7.3				7.3	2870

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME: STATION NAME YEARS: 1971 MONTH: Aug

STATION NAME: STATION NAME YEARS: 1971 MONTH: Aug

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	1		5.1				6.1	10.1				16.2	71
2	1		7.4				9.4	73.2				21.2	71
3	1		6.7				9.7	75.5				25.5	71
4	10		6.1				6.1	17.1	.3			17.4	71
5	1		7.1				7.1	6.1	1.0			6.1	71
6	1		7.4				7.4	10.2	.6			7.2	71
7	1		4.1				4.1	6.1	.3			6.1	71
8	1		4.2				4.2	7.1				7.1	71
TOTALS			7.1				7.1	12.1	.2			11.1	240

WEATHER CONDITIONS

1471 2056-54321

STATION NAME: NAVY ILLA YEARS: 1950 MONTH: SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FOR HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1950	01		3.3				3.3	10.3				1.3	100
	02	.3	11.7				11.7	21.0				21.0	100
	03		6.7				6.7	25.7	1.3			25.7	100
	04		10.3				10.3	16.7	.7			15.7	100
	05	.3	7.3				7.3	6.7	1.3			7.3	100
	06	.3	5.7				5.7	3.7				3.7	100
	07		6.0				6.0	4.7	.7			5.3	100
	08		4.3				4.3	6.3	.3			6.3	100
TOTALS		.1	7.4				7.4	11.7	.5			11.5	240

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME: STATION YEARS: 1971 MONTH: 1971

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FOR MONTHLY OBSERVATION

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	1	0.2	15.6		1.0		17.1	1.0	0.7			11.7	71
2	1		14.2		1.0		15.2	0.4				0.0	71
3	1		14.1		1.0		13.0	1.3				17.2	71
4	1		13.7		0.0		12.4	1.3				17.3	71
5	1		17.4		0.0		17.7	7.1				7.1	71
6	1	0.2	10.0		1.3		17.3	0.0				6.0	70
7	1		0.1		1.6		21.0	0.1	0.3			0.0	70
8	1		17.4		1.0		18.5	1.1				8.1	70
9													
10													
11													
12													
TOTALS		0.1	17.4		1.0		16.2	0.0	0.1			0.0	2477

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME LAKE CHARLES YEARS 1971-1972 MONTH JULY

MONTHLY FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MAJORITY OF OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	14.1		14.1		2.7		17.7	14.7	.1			14.1	2470
FEB		.1	17.4		1.0		17.4	1.2	.7			10.7	2254
MAR			11.0				12.1	4.4	.2			4.0	2440
APR			17.0		.1		12.0	2.7	.7			2.0	2400
MAY		.1	17.0				12.0	3.6	.2			3.0	2488
JUN		.0	16.0				7.0	4.4	.1			4.0	2470
JUL		.4	16.1				9.1	4.4	.7			6.0	2470
AUG			7.0				7.0	12.2	.3			11.1	2497
SEP		.1	7.4				7.4	11.7	.2			11.0	2460
OCT			11.0				10.4	12.0	2.2			10.1	2467
NOV			13.0		.7		10.0	11.9	.2			12.1	2470
DEC		.1	17.0		1.1		12.7	3.3	.1			0.9	2477
TOTALS		.1	11.4	.2	.6		11.5	6.1	.4	.1		0.3	22212

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: WHISKEY ISLAND, CA YEARS: JANUARY 1973-DECEMBER 1982 MONTH: JANUARY HOURS: L.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1	1.3				6.6			1.3					90.8
NNE	2.4		2.6			5.1			12.8					84.6
NE						70.0			16.0		4.0			68.0
ENE	4.5					9.2			9.0					90.6
E	2.1	1.0	.2	.2		3.7			12.4	1.7	.2			76.3
ESE	12.3	1.2	3.2		.2	2.2			16.2	.4	1.0			70.7
SE	18.0	.9	2.8			1.7			14.0		.3	.3		69.2
SSE	16.6	3.9	1.5			1.0			7.8					74.6
S	21.5	10.3	3.8		1.3	1.3			9.0	2.6	2.6			52.6
SSW	27.3	11.1				5.6			22.2	5.6	5.6			38.9
SW	14.7	16.7	8.3						14.7					66.7
WSW	5.4	2.7							2.7	2.7				86.5
W	12.6	3.4	1.7						7.8		.9			80.2
WNW	2.2	6.0				10.0			2.0					80.0
NW	12.5		2.1			4.2			6.3	2.1				77.1
NNW			2.0						3.9					96.1
VARIABLE														
CALM														
TOTAL	273	47	52	1	2	72			328	16	14	1		1822
% TOTAL	11.1	1.9	2.1	.0	.1	2.9			13.2	.6	.6	.0		73.5

TOTAL NUMBER OF OBSERVATIONS: 2,490

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: JANUARY 1973-DECEMBER 1982 MONTH: FEBRUARY

STATION: 24255 HATTEY ISLAND, IA YEARS: 10

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SAND AND DUST	NO WEATHER
N	11.3	1.9	1.9			1.9			13.2				75.5
NNE	7.3					3.3			13.3				80.0
NE	6.3				3.1	6.3			15.6				75.0
ENE	2.6	2.6	2.6						9.1				87.2
E	9.3	4.2	2.5			2.2		.4	11.2	.4	1.1		74.2
ESE	11.7	2.7	2.7			1.9			16.1	.5	.3		70.6
SE	16.3	3.5	1.6			.3			4.5		.5		74.4
SSE	14.3	5.3	.4			.8			4.3		.8		77.9
S	9.9	7.6				.9			4.6		.8		79.6
SSW	5.3	20.0				5.3			5.0				70.0
SW	15.3	10.5	17.5			5.3			15.6		5.3		57.9
WSW	14.3	11.1							3.7				74.1
W	10.3	5.6							2.6				82.2
WNW	9.3	5.9				1.3			8.6		1.5		76.5
NW	3.6					1.9			9.6		3.7		85.2
NNW	1.9								5.7				97.5
VARIABLE													
CALM	6.9	9.9	3.0			1.2			10.6	2.4	1.8		71.6
TOTAL	25.1	62	35		1	33		1	219	11	19		1697
% TOTAL	11.1	3.6	1.7		.0	1.5		.2	9.7	.5	.9		75.2

TOTAL NUMBER OF OBSERVATIONS: 2,256

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 2-255 HICKORY ISLAND, WA STATION NAME JANUARY 1973-DECEMBER 1982 MONTH MARCH HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.2	1.2	1.2		1.2				1.2					95.1
NNE														100.0
NE	9.1	9.1	9.1											72.7
ENE	12.1	4.2												83.3
E	19.1	2.1								1.0				32.6
ESE	11.1	2.3							6.2	.4	.4			80.2
SE	11.1	4.5	.3						1.0	1.0				81.5
SSE	7.6	3.3							.3					98.4
S	14.7	8.7				2.0			4.7					73.3
SSW	14.3	2.5												76.2
SW	2.6	8.6												92.9
WSW	16.1	8.0							6.0					74.0
W	4.5	3.7							.7					91.8
WNW	7.1	5.2							3.1					89.7
NW	6.1	.9							2.6					91.2
NNW	4.3	2.6	.3						3.6					92.3
VARIABLE														
CALM	5.3	1.9	.1						4.7	2.2				82.3
TOTAL	126	89	5		1	6			95	14	4			2106
% TOTAL	6.0	3.6	.2		.0	.2			3.6	.6	.2			44.9

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME WHITELY ISLAND, CA YEARS JANUARY 1973-DECEMBER 1982 MONTH APRIL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.1		2.4											92.9
NNE														100.0
NE														100.0
ENE														100.0
E	3.0	6.7	.7						2.2	.7				87.3
ESE	5.7	2.3	.6			.6			5.3	.6				84.1
SE	15.1	5.3							1.4					75.6
SSE	14.3	5.1	.4						2.1					79.6
S	5.3	5.0							.7					88.7
SSW	17.7	3.3							2.8					75.0
SW	2.4	3.7							2.4	1.2				92.7
WSW	7.0	3.9							.8					89.1
W	4.1	3.7	.5		.2				.9					91.8
WNW	3.1	1.8							1.3		.4			93.4
NW	.2	2.3							3.7					93.6
NNW	3.7		1.3			1.3			3.9					92.1
VARIABLE														
CALM	4.2	1.2	.3						5.0	.7				88.5
TOTAL	1.3	79	8		1	2			54	6	1			2108
% TOTAL	6.1	3.3	.3		.7	.1			2.5	.3	.5			87.8

TOTAL NUMBER OF OBSERVATIONS 2,400

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: HATTELY ISLAND, VA. MONTH: MAY YEAR: 1973-DECEMBER 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.1	7.1												85.7
NNE														100.0
NE														100.0
ENE	11.1													88.9
E	12.0	4.2												82.3
ESE	14.0	3.9	7.9											75.2
SE	11.0	5.7	1.4											73.0
SSE	11.0	4.4												84.4
S	13.0	4.7	3.5											77.9
SSW	11.3	7.4												77.9
SW	10.4	3.1	3.1											82.8
WSW	4.5	1.7	1.7											90.6
W	2.2	4.0	.9											92.8
WNW	1.7	1.3												94.3
NW	3.0	1.0												97.9
NNW	2.1	6.3												85.4
VARIABLE														
CALM	4.0	2.0	0.3											93.3
TOTAL	15.1	21	24					1	24			4		216
% TOTAL	6.4	3.3	1.0					.0	3.4		.2	.2		67.4

TOTAL NUMBER OF OBSERVATIONS

2,460

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME HICKORY ISLAND, LA JANUARY 1973-DECEMBER 1982 MONTH JUNE

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.0	23.1							7.7					61.5
NNE														170.0
NE														72.7
ENE	27.1													78.4
E	13.5	5.4	1.4						5.4					69.3
ESE	25.7	5.0	2.9						4.0					69.6
SE	51.0	4.8	2.9						5.7		1.0			87.5
SSE	7.2	2.1	1.0						5.3		1.0			95.9
S	5.1	6.4	1.3						2.6					79.2
SSW	2.4	5.2	5.2						10.4					92.6
SW	7.4	3.3	1.7						4.2					89.0
WSW	3.5	1.7	2.0						5.0					94.9
W	.9	1.4	.7					.2	2.9					93.2
WNW	2.3	1.5							3.0					93.2
NW	5.3	2.3							1.1	1.1				95.6
NNW	5.2	2.2												88.9
VARIABLE														
CALM	4.7	2.3	2.0						4.2					
TOTAL	134	64	31					1	104	1	2			2105
% TOTAL	5.7	2.7	1.3					.3	4.3	.0	.1			87.7

TOTAL NUMBER OF OBSERVATIONS 2,403

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME WILSON ISLAND, WA YEARS JANUARY 1973-30 DECEMBER 1982 MONTH JULY HOURS LOCAL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.1								7.1					92.9
NNE														
NE									13.3					66.7
ENE	16.7		1.7						16.7					83.3
E	0.0								7.3					92.7
ESE	7.4	5.9	1.5						1.5					85.3
SE	13.0	7.2	1.4						4.3					76.8
SSE	16.2	5.9							4.4					76.5
S	2.7	5.3							2.7					89.3
SSW		6.7						1.1	11.2					83.1
SW	1.0	2.3	.4					.8	13.7					81.3
WSW	1.7	2.0	2.0					.3	5.0	.3				87.7
W	2.2	1.5	.7					.5	5.6					90.8
WNW	.7		.7					.4	4.6	.4				94.3
NW	3.2								2.4		.8			94.4
NNW	4.3	2.2						2.2	7.7	2.2				87.0
VARIABLE														
CALM	2.1	2.5	1.3						3.5	.3				98.7
TOTAL	72	56	22					9	157	4	1			2195
% TOTAL	3.0	2.3	.9					.4	6.3	.2	.0			88.5

TOTAL NUMBER OF OBSERVATIONS 2,479

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

2025

STATION NAME

ANTHONY ISLAND, WA

JANUARY 1973-9, CEMBER 1982

MONTH

STATION

STATION NAME

ANTHONY ISLAND, WA

JANUARY 1973-9, CEMBER 1982

MONTH

YEAR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									5.0					95.0
NNE									50.0					50.0
NE														100.0
ENE										12.0				87.5
E	2.7	4.3	2.2						4.3					84.8
ESE	4.0	4.0	4.0						13.3	1.3				77.3
SE	6.0	9.3	.9						7.5					76.6
SSE	7.2	6.3	3.5						8.5					78.2
S	4.4	5.6	3.3						11.1					83.3
SSW	4.1	2.1	3.1						20.9					67.0
SW	3.0	3.4	1.5						21.6	.5	.5			72.1
WSW	2.1	1.9	1.4						19.7	.4	.7			75.7
W	1.7	.9	1.3						10.3	.6	.2			86.9
WNW		1.1	1.5						6.9		.4			92.0
NW		.9	1.8						11.8		.9			87.3
NNW	3.2		1.5						4.6		1.5			90.8
VARIABLE														
CALM	3.0	1.2	1.6						10.5	.5				85.7
TOTAL	7.4	57	44						306	10	7			2050
% TOTAL	3.0	2.3	1.6						12.4	.4	.3			82.7

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME HAZLEY ISLAND, SA STATION NAME JANUARY 1973-DECEMBER 1982 MONTH YEAR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	WEATHER
N		7.1							7.4		12.5			92.6
NNE	1.1													62.5
NE														
ENE										4.2				91.7
E	6.7	7.4							5.9	1.7				82.4
ESE	10.3	2.2	1.1					1.1	6.1	.5	.5			79.6
SE	14.0	5.5	.5					.5	5.5	.5	.5			75.0
SSE	7.2	7.2	3.3						6.2	.7	.7			76.5
S	3.3	7.9	2.2						15.4					74.7
SSW	6.1	3.3							15.2					78.8
SW	5.1	3.8	1.3						7.7					83.3
WSW	.1	2.4	2.4						15.9		.8			80.2
W	2.3	.8	.8						6.4					88.7
WNW	.9		.5						10.3		.5			88.7
NW	.7	.7							9.4	2.7	.7			87.2
NNW	2.0	4.2							11.1	1.4				83.3
VARIABLE														
CALM	1.1	.9	.8						12.3	3.6	.5			82.1
TOTAL	77	59	22					3	246	34	10			1976
% TOTAL	4.1	2.5	.9					.1	15.3	1.4	.4			82.4

TOTAL NUMBER OF OBSERVATIONS 2,309

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME CHERRY ISLAND, GA YEAR JANUARY 1973-DECEMBER 1982 MONTH OCTOBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									17.1	4.9				78.0
NNE		11.1									11.1			77.8
NE	14.3								14.3					85.7
ENE		12.2	9.1						4.1					72.7
E	6.7	1.0	.5						19.7	6.7	1.9			67.3
ESE	5.0	1.5	1.2						21.5	1.2	2.8			69.6
SE	12.3	3.9	1.8						3.7	.6	1.5			73.8
SSE	9.2	7.7	1.2						3.8	.8	.8			78.1
S	3.1	5.3	.9						8.1	.9	1.8			75.7
SSW	5.3	6.3	6.3						6.3					81.3
SW	9.0	2.4							19.0					69.0
WSW	3.0	1.7							19.0		1.7			72.4
W	7.6	1.2	.6						3.8		1.8			84.8
WNW	4.7	2.7	1.4						13.5		2.7			79.1
NW	2.7	2.5							7.6		1.7			87.4
NNW	5.0								14.7		2.7			74.7
VARIABLE									66.7					33.3
CALM	4.1	1.1	1.1						26.8	5.1	3.3			64.5
TOTAL	14.5	6.5	26						385	51	53			1809
% TOTAL	5.1	2.5	1.0						15.5	2.1	2.1			72.9

TOTAL NUMBER OF OBSERVATIONS 2,480

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WILLEY ISLAND, "A"

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STATION NAME

EVATION

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.5	1.3	1.3			3.2			10.1					84.8
NNE	9.3					4.7			9.3	2.3				76.7
NE	11.1					5.3			25.3					57.9
ENE	4.0	2.4							7.1					85.7
E	5.5	2.9	1.3			1.0			10.8	1.9				78.7
ESE	11.2	1.3	.4			.9			14.3	.7				75.3
SE	14.2	3.1	.3			.5			7.3	.3	.5			75.7
SSE	17.2	6.7	.3						4.2		.3			73.7
S	13.3	8.7				1.0			1.9					76.4
SSW	15.7	25.2												58.3
SW	22.2		11.1						11.1					55.6
WSW	11.1	14.8							7.4					70.4
W	15.6	6.5							7.5					81.3
WNW	5.3	3.5							3.5					87.7
NW	5.7	4.4							17.8					75.6
NNW	1.2	1.5	1.8						5.9					89.3
VARIABLE														
CALM	4.2	1.4	2.3						26.8	1.4	1.2			79.7
TOTAL	24.3	33	18			16			76.9	16	7			1926
% TOTAL	100	35.5	8.8			7			11.2	7	.3			76.1

TOTAL NUMBER OF OBSERVATIONS

20

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME MC KAY ISLAND, JA YEAR 1973-01-01 MONTH DECEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.1					2.0			7.0					95.0
NNE	9.0					4.5			4.5					86.0
NE	3.0	3.0				7.7								84.0
ENE	11.0	2.0				4.0			2.0					76.0
E	7.0	1.0	2.0		0.3	1.0			7.0	0.0				87.0
ESE	14.0	1.0	1.0			0.0			11.0	0.0				74.0
SE	20.0	3.0	1.0			0.0		0.4	6.0	0.0	0.0			72.0
SSE	10.0	5.0	1.0			1.0			5.0					72.0
S	25.0	16.0				1.0			8.0		1.0			54.0
SSW	9.0					9.0								81.0
SW	17.0	17.0							11.0					55.0
WSW	24.0	3.0							6.0					72.0
W	6.0	3.0	1.0						7.0					89.0
WNW	5.0	4.0				1.0			4.0					85.0
NW	2.0	3.0							7.0					86.0
NNW	0.0	5.0							0.0					86.0
VARIABLE														
CALM	4.0	2.0	1.0			1.0			16.0	0.0				76.0
TOTAL	211	65	37		1	27		2	211	0.0	2			190.1
% TOTAL	100.0	30.4	17.5		0.5	12.8		0.9	100.0	0.0	0.9			76.7

TOTAL NUMBER OF OBSERVATIONS 20477

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: HILDEY ISLAND, CA MONTH: JANUARY 1973-DECEMBER 1982 ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.0	1.7	.7		.2	2.1			6.6	.4				56.9
NNE	5.3	.5	.5			3.7			3.5	.5	1.1			82.0
NE	6.4	1.4	.7		.7	7.1			11.4		.7			76.4
ENE	6.7	2.2	1.0			2.7			6.0	.7				83.3
E	1.0	2.6	1.1	.3	.2	1.4		.0	9.6	1.6	.4			78.3
ESE	11.0	2.1	1.7		.2	.2		.1	12.2	.6	.6			74.5
SE	16.1	3.9	1.2			.5		.1	6.4	.3	.4	.0		74.2
SSE	12.4	5.5	.9			.3			4.5	.0	.3			78.7
S	17.3	7.9	1.1		.1	.6			7.1	.2	.5			76.5
SSW	5.2	6.6	1.6			.0		.2	12.7	.2	.4			74.7
SW	5.1	3.7	1.5			.1		.2	13.9	.2	.2			79.6
WSW	4.3	2.6	1.4					.1	8.0	.3	.2			84.4
W	3.3	2.5	.7		.2			.1	4.0	.1	.2			89.9
WNW	2.4	1.7	.4			.3		.0	3.2	.0	.4			90.4
NW	3.1	1.4	.3			.7		.1	6.1	.5	.6			89.2
NNW	3.0	1.9	.7			.1		.1	6.5	.3	.4			88.7
VARIABLE									16.7					33.3
CALM									13.3					78.8
TOTAL	11	347	327	1	6	156		17	2465	176	124	1		23763
% TOTAL	7.4	2.9	1.1	.0	.3	.6		.1	8.4	.6	.4	.0		81.3

TOTAL NUMBER OF OBSERVATIONS 29,211

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NAME: STATION NAME: YEARS: 45-

AMOUNTS (INCHES)															TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	PERCENT OF DAYS WITH MEASUR- ABLE AMTS						
												10.01-20.00	OVER 20.00					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4		MEAN	GREATEST	LEAST	
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	•	1	•	1	1	1	5	1	•					140	2.41	6.00	•	
FEB	•	1	•	1	1	•	4	1	•					47.1	1.74	3.27	•	
MAR	•	1	•	1	1	•	1	•						44.1	1.50	1.57	•	
APR	•	1	•	1	1	•	4	•						36.1	1.34	2.53	•	
MAY	•	1	•	1	1	•	6	•	•					29.0	1.18	3.66	•	
JUN	•	1	•	1	1	•	5	1	1	•				37.0	1.15	4.67	•	
JUL	•	1	•	1	1	•	3	•	•					16.0	.67	2.11	•	
AUG	•	1	•	1	1	•	4	1	1					10.3	.87	2.14	•	
SEP	•	1	•	1	1	•	6	1	1	•				26.0	1.16	4.22	•	
OCT	•	1	•	1	1	•	1	1	•					41.0	1.72	4.44	•	
NOV	•	1	•	1	1	•	1	1	•					32.1	2.19	4.74	•	
DEC	•	1	•	1	1	•	1	1	•					37.0	2.52	6.51	1.00	
ANNUAL	•	1	•	1	•	7	6	1	•					30.1	17433	.75	×	

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

STATION NAME _____ YEARS _____

PRECIP. SNOWFALL SNOW- DEPTH	NONE	TRACE	01	.02-.05	.06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
JAN	•	11.1	2.2	•	1.1	•	•	•	•	•	•	•	•	•	1	3.2	17.4	•
FEB	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1017	1.1	17.2	•
MAR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1115	1.2	17.0	•
APR	•	1.1	•	•	•	•	•	•	•	•	•	•	•	•	1110	1.0	17.0	•
MAY	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1110	1.0	17.0	•
JUN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	11	•	•	•
JUL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	11	•	•	•
AUG	•	•	•	•	•	•	•	•	•	•	•	•	•	•	11	•	•	•
SEP	•	•	•	•	•	•	•	•	•	•	•	•	•	•	11	•	•	•
OCT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1117	1.0	17.0	•
NOV	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1117	1.1	17.0	•
DEC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1117	1.7	17.0	•
ANNUAL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1117	7.7	17.0	•

NAVWEASERVCOM

EXTREME VALUES

YEARS

STATION NAME

STATION

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SMOS

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

YEARS

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NAME ASHEVILLE, NC STATION NUMBER 45-17 YEARS 1957

IN RECORD MONTHS TO INCLUDE
/ 1950-1955 TRAIL FULL MONTH /

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1957					.03				.03			.01	PRECIP DAYS
1958												.01	PRECIP DAYS
1959										.03		.01	PRECIP DAYS
1960				.03									PRECIP DAYS
1961				.03									PRECIP DAYS
1962					.14								PRECIP DAYS
1963					.03							.01	PRECIP DAYS
1964												.01	PRECIP DAYS
1965													
1966													
1967													
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1969													
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2095													
2096													
2097													
2098													
2099													
2100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

ONE FULL

(FROM DAILY OBSERVATIONS)

STATION NAME WHITNEY ISLAND, CA YEARS 45-49

IN 1000 AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
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64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS!

STATION	STATION NAME	YEARS
10000	10000 ISLAND, A	4 - 20

YEARS

100-443886-1

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SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS!

STATION

STATION NAME

YEARS

CO-OP ASSOCIATES, INC.

[illegible]

SMOS

DATE OF OBSERVATION
(FROM DAILY OBSERVATIONS)

4
* 1 2 3 4
1
2
3
4

STATION NAME

YEARS

Activity-Related Protein

[illegible]

SMOS

EXTREME VALUES

110

(FROM DAILY OBSERVATIONS)

THE HISTORY OF THE UNITED STATES

STATION	STATION NAME
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YEARS

THE UNIVERSITY OF CHICAGO

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SMOS

EXTREME VALUES

DATE OF REPORT
(FROM DAILY OBSERVATIONS)

YEARS

STATION NAME

STATION

ONLY NEW DEPT. TO REP. OF
/SOUTH AFRICA/

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SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	1-1-71	0.0	0.0	1-1-71
2	0.0	0.0	1-2-71	0.0	0.0	1-2-71
3	0.0	0.0	1-3-71	0.0	0.0	1-3-71
4	0.0	0.0	1-4-71	0.0	0.0	1-4-71
5	0.0	0.0	1-5-71	0.0	0.0	1-5-71
6	0.0	0.0	1-6-71	0.0	0.0	1-6-71
7	0.0	0.0	1-7-71	0.0	0.0	1-7-71
8	0.0	0.0	1-8-71	0.0	0.0	1-8-71
9	0.0	0.0	1-9-71	0.0	0.0	1-9-71
10	0.0	0.0	1-10-71	0.0	0.0	1-10-71
11	0.0	0.0	1-11-71	0.0	0.0	1-11-71
12	0.0	0.0	1-12-71	0.0	0.0	1-12-71
13	0.0	0.0	1-13-71	0.0	0.0	1-13-71
14	0.0	0.0	1-14-71	0.0	0.0	1-14-71
15	0.0	0.0	1-15-71	0.0	0.0	1-15-71
16	0.0	0.0	1-16-71	0.0	0.0	1-16-71
17	0.0	0.0	1-17-71	0.0	0.0	1-17-71
18	0.0	0.0	1-18-71	0.0	0.0	1-18-71
19	0.0	0.0	1-19-71	0.0	0.0	1-19-71
20	0.0	0.0	1-20-71	0.0	0.0	1-20-71
21	0.0	0.0	1-21-71	0.0	0.0	1-21-71
22	0.0	0.0	1-22-71	0.0	0.0	1-22-71
23	0.0	0.0	1-23-71	0.0	0.0	1-23-71
24	0.0	0.0	1-24-71	0.0	0.0	1-24-71
25	0.0	0.0	1-25-71	0.0	0.0	1-25-71
26	0.0	0.0	1-26-71	0.0	0.0	1-26-71
27	0.0	0.0	1-27-71	0.0	0.0	1-27-71
28	0.0	0.0	1-28-71	0.0	0.0	1-28-71
29	0.0	0.0	1-29-71	0.0	0.0	1-29-71
30	0.0	0.0	1-30-71	0.0	0.0	1-30-71
31	0.0	0.0	1-31-71	0.0	0.0	1-31-71
Monthly	0.0	0.0		0.0	0.0	

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0.0	1-1-71	0.0	0.0	1-1-71
2	0.0	0.0	1-2-71	0.0	0.0	1-2-71
3	0.0	0.0	1-3-71	0.0	0.0	1-3-71
4	0.0	0.0	1-4-71	0.0	0.0	1-4-71
5	0.0	0.0	1-5-71	0.0	0.0	1-5-71
6	0.0	0.0	1-6-71	0.0	0.0	1-6-71
7	0.0	0.0	1-7-71	0.0	0.0	1-7-71
8	0.0	0.0	1-8-71	0.0	0.0	1-8-71
9	0.0	0.0	1-9-71	0.0	0.0	1-9-71
10	0.0	0.0	1-10-71	0.0	0.0	1-10-71
11	0.0	0.0	1-11-71	0.0	0.0	1-11-71
12	0.0	0.0	1-12-71	0.0	0.0	1-12-71
13	0.0	0.0	1-13-71	0.0	0.0	1-13-71
14	0.0	0.0	1-14-71	0.0	0.0	1-14-71
15	0.0	0.0	1-15-71	0.0	0.0	1-15-71
16	0.0	0.0	1-16-71	0.0	0.0	1-16-71
17	0.0	0.0	1-17-71	0.0	0.0	1-17-71
18	0.0	0.0	1-18-71	0.0	0.0	1-18-71
19	0.0	0.0	1-19-71	0.0	0.0	1-19-71
20	0.0	0.0	1-20-71	0.0	0.0	1-20-71
21	0.0	0.0	1-21-71	0.0	0.0	1-21-71
22	0.0	0.0	1-22-71	0.0	0.0	1-22-71
23	0.0	0.0	1-23-71	0.0	0.0	1-23-71
24	0.0	0.0	1-24-71	0.0	0.0	1-24-71
25	0.0	0.0	1-25-71	0.0	0.0	1-25-71
26	0.0	0.0	1-26-71	0.0	0.0	1-26-71
27	0.0	0.0	1-27-71	0.0	0.0	1-27-71
28	0.0	0.0	1-28-71	0.0	0.0	1-28-71
29	0.0	0.0	1-29-71	0.0	0.0	1-29-71
30	0.0	0.0	1-30-71	0.0	0.0	1-30-71
31	0.0	0.0	1-31-71	0.0	0.0	1-31-71
Monthly	0.0	0.0		0.0	0.0	

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

4

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.7		12-1		1	1-1
2	0.4		12-2	0.1	3	1-5
3	0.1		12-3	4.3	109	1-1
4	0.1		12-4	3.3	84	1-1
5	0.1		12-5	5.0	127	1-1
6	0.1		12-6	3.0	76	1-7
7	0.2		12-7	0.0	0	1-1
8	0.0		12-8	1.0	25	1-1
9	0.0		12-9	0.2	5	1-1
10	0.0		12-10	0.3	8	1-1
11	0.1		12-11	0.0	0	1-1
12	0.2		12-12	2.7	69	1-1
13	0.0		12-13	3.0	76	1-5
14	0.1		12-14	0.0	0	1-1
15	0.0		12-15	0.0	0	1-1
16	0.0		12-16	0.0	0	1-1
17	0.1		12-17	0.0	0	1-1
18	0.1		12-18	0.0	0	1-1
19	0.0		12-19	0.0	0	1-1
20	0.0		12-20	0.0	0	1-1
21	0.0		12-21	0.0	0	1-1
22	0.0		12-22	0.0	0	1-1
23	0.3		12-23	0.0	0	1-1
24	0.1		12-24	0.0	0	1-1
25	0.1		12-25	0.0	0	1-1
26	0.3		12-26	0.0	0	1-1
27	0.0		12-27	0.0	0	1-1
28	0.0		12-28	0.0	0	1-1
29	0.0		12-29	0.0	0	1-1
30	0.0		12-30	0.0	0	1-1
31	0.0		12-31	0.0	0	1-1
Monthly	0.0			0.0	0	1-1

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1		1-1			
2	0.0		1-2	0.0	0	1-1
3	0.0		1-3	0.0	0	1-1
4	0.0		1-4	0.0	0	1-1
5	0.0		1-5	0.0	0	1-1
6	0.0		1-6	0.0	0	1-1
7	0.0		1-7	0.0	0	1-1
8	0.0		1-8	0.0	0	1-1
9	0.0		1-9	0.0	0	1-1
10	0.1		1-10	0.0	0	1-1
11	0.0		1-11	1.0	25	1-1
12	0.0		1-12	0.0	0	1-1
13	0.0		1-13	0.0	0	1-1
14	0.0		1-14	0.0	0	1-1
15	0.0		1-15	0.0	0	1-1
16	0.0		1-16	0.0	0	1-1
17	0.0		1-17	0.0	0	1-1
18	0.0		1-18	0.0	0	1-1
19	0.0		1-19	0.0	0	1-1
20	0.0		1-20	0.0	0	1-1
21	0.0		1-21	0.0	0	1-1
22	0.0		1-22	0.0	0	1-1
23	0.0		1-23	0.0	0	1-1
24	0.0		1-24	0.0	0	1-1
25	0.0		1-25	0.0	0	1-1
26	0.0		1-26	0.0	0	1-1
27	0.0		1-27	0.0	0	1-1
28	0.0		1-28	0.0	0	1-1
29	0.0		1-29	0.0	0	1-1
30	0.0		1-30	0.0	0	1-1
31	0.0		1-31	0.0	0	1-1
Monthly	0.0			0.0	0	1-1

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1 4 - 1 1947

STATION

STATION NAME

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	1 1947			
2	0.1	2.5	2 1947			
3	0.1	2.5	3 1947			
4	0.1	2.5	4 1947			
5	0.1	2.5	5 1947			
6	0.2	5.1	6 1947			
7	0.2	5.1	7 1947			
8	0.2	5.1	8 1947			
9	0.1	2.5	9 1947			
10	0.1	2.5	10 1947			
11	0.1	2.5	11 1947			
12	0.1	2.5	12 1947			
13	0.1	2.5	13 1947			
14	0.1	2.5	14 1947			
15	0.2	5.1	15 1947			
16	0.2	5.1	16 1947			
17	0.1	2.5	17 1947			
18	0.2	5.1	18 1947			
19	0.1	2.5	19 1947			
20	0.1	2.5	20 1947			
21	0.1	2.5	21 1947			
22	0.1	2.5	22 1947			
23	0.1	2.5	23 1947			
24	0.1	2.5	24 1947			
25	0.1	2.5	25 1947			
26	0.1	2.5	26 1947			
27	0.1	2.5	27 1947			
28	0.1	2.5	28 1947			
29	0.1	2.5	29 1947			
30	0.1	2.5	30 1947			
31	0.1	2.5	31 1947			
Monthly	0.1	2.5				

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	1 1947			
2	0.1	2.5	2 1947			
3	0.1	2.5	3 1947			
4	0.1	2.5	4 1947			
5	0.1	2.5	5 1947			
6	0.1	2.5	6 1947			
7	0.1	2.5	7 1947			
8	0.1	2.5	8 1947			
9	0.1	2.5	9 1947			
10	0.1	2.5	10 1947			
11	0.1	2.5	11 1947			
12	0.1	2.5	12 1947			
13	0.1	2.5	13 1947			
14	0.1	2.5	14 1947			
15	0.1	2.5	15 1947			
16	0.1	2.5	16 1947			
17	0.1	2.5	17 1947			
18	0.1	2.5	18 1947			
19	0.1	2.5	19 1947			
20	0.1	2.5	20 1947			
21	0.1	2.5	21 1947			
22	0.1	2.5	22 1947			
23	0.1	2.5	23 1947			
24	0.1	2.5	24 1947			
25	0.1	2.5	25 1947			
26	0.1	2.5	26 1947			
27	0.1	2.5	27 1947			
28	0.1	2.5	28 1947			
29	0.1	2.5	29 1947			
30	0.1	2.5	30 1947			
31	0.1	2.5	31 1947			
Monthly	0.1	2.5				

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1 4 5 1 1 2

STATION NAME YEARS

STATION NAME

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0		1 1970			
2	0.1	2.5	1 1970			
3	0.7	17.8	1 1970			
4	0.1	2.5	4 1970			
5	0.0		5 1970			
6	0.1	2.5	5 1970			
7	0.0		10 1970			
8	0.7	17.8	1 1971			
9	0.0		17 1970			
10	0.0		1971			
11	0.1	2.5	1970			
12	0.5	12.7	12 1970			
13	0.1	2.5	5 1971			
14	0.0		1970			
15	0.0		10 1970			
16	0.1	2.5	4 1971			
17	0.0		1970			
18	0.1	2.5	12 1970			
19	0.2	5.1	6 1970			
20	0.1	2.5	3 1967			
21	0.1	2.5	3 1968			
22	0.0		16 1970			
23	0.0		2 1971			
24	0.0		6 1969			
25	0.0		5 1970			
26	0.5	12.7	10 1970			
27	0.4	10.2	11 1970			
28	0.0		7 1970			
29	0.1	2.5	4 1970			
30	0.0		7 1970			
31	0.0		2 1970			
Monthly	0.0		1971			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0		1 1970			
2	0.0	12.7	12 1970			
3	0.0	7.6	7 1967			
4	0.0	23.8	1970			
5	0.0		1970			
6	0.0	2.5	1970			
7	0.1	4.1	4 1970			
8	0.0	1.3	1 1971			
9	0.1	2.5	1970			
10	0.1	2.5	3 1970			
11	0.0	17.8	1970			
12	0.0	6.4	1970			
13	0.1	2.5	7 1970			
14	0.0	2.5	1970			
15	0.0	13.0	1970			
16	0.0		1970			
17	0.0		1970			
18	0.1	1.3	1970			
19	0.0	21.3	1970			
20	0.0	7.6	1970			
21	0.1		1970			
22	0.0	12.7	1970			
23	0.0	21.3	1971			
24	0.0	1.3	1970			
25	0.0	13.0	1970			
26	0.0	7.6	1970			
27	0.0	2.5	1970			
28	0.0	7.6	1970			
29	0.1	2.5	1 1970			
30	0.0	1.3	1970			
31	0.0	1.3	1970			
Monthly	0.0	23.8	1970			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

LA

STATION NAME

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	1.3	1-15			
2	0.1	5	1-15			
3	0.1	0	1-17			
4	0.1	0	1-19			
5	0.1	1.6	1-19			
6	0.1	13	1-19			
7	0.1	10	1-27			
8	0.1	6	1-27			
9	0.1	0	1-27			
10	0.1	0	1-29			
11	0.1	17	1-26			
12	0.1	5	1-29			
13	0.1	11	1-27			
14	0.1	13	1-28			
15	0.1	17	1-29			
16	1.2	28	1-29			
17	0.1	13	1-29			
18	0.1	0	1-27			
19	0.4	11	1-20			
20	0.1	13	1-29			
21	0.1	14	1-29			
22	0.1	1	1-29			
23	0.1	13	1-27			
24	0.1	0	1-29			
25	0.1	5	1-29			
26	0.1	10	1-28			
27	0.1	7	1-21			
28	0.1	14	1-27			
29	0.1	11	1-27			
30	0.1	13	1-29			
31	0.1	0	1-29			
Monthly						

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	5.5	14	1961			
2	5.2	5	1947			
3	5.3	7	1948			
4	5.4	11	197			
5	5.4	11	1965			
6	5.4	12	1971			
7	5.5	15	1945			
8	5.5	11	1973			
9	5.6	27	1943			
10	5.7	16	1948			
11	5.10	2	1949			
12	5.3	13	1955			
13	5.4	7	1977			
14	5.5	14	1956			
15	5.6	19	1947			
16	5.1	5	1947			
17	5.2	12	1961			
18	5.4	12	1947			
19	5.7	16	1955			
20	5.1	10	1967			
21	5.1	23	1957			
22	5.30		1945			
23	5.1	10	1967			
24	5.1	22	1948			
25	5.2	22	1947			
26	5.2	11	1971			
27	5.5	12	1967			
28	5.7	22	1971			
29	5.8	7	1949			
30	5.4	22	1945			
31	5.7	17	1967			
Monthlv	5.8	29	1945			

• ALSO ON EARLIER YEARS

TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME YEARS MONTH

STATION NAME YEARS MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.	.	1 1 7			
2	.	.	1 1 7			
3	.	.	1 1 7			7
4	.	.	1 1 7	1.	25	1 7
5	.	.	1 1 7			
6	.	.	1 1 7			
7	.	.	1 1 7			
8	.	.	1 1 7			1 7
9	.	.	1 1 7			1 7
10	.	.	1 1 7			7
11	.	.	1 1 7			1 7
12	.	.	1 1 7			
13	.	.	1 1 7			
14	.	.	1 1 7			
15	.	.	1 1 7			1 7
16	.	.	1 1 7			1 7
17	.	.	1 1 7			1 7
18	.	.	1 1 7			1 4
19	.	.	1 1 7			
20	.	.	1 1 7			1 7
21	.	.	1 1 7			1 7
22	.	.	1 1 7			1 7
23	.	.	1 1 7			1 7
24	.	.	1 1 7			
25	.	.	1 1 7			7
26	.	.	1 1 7			1 7
27	.	.	1 1 7			1 7
28	.	.	1 1 7			1 7
29	.	.	1 1 7			1 7
30	.	.	1 1 7			1 7
31	.	.	1 1 7			7
Monthly	.	.		1.	25	

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.	.	1 1 7			
2	.	.	1 1 7			1 7
3	.	.	1 1 7			
4	.	.	1 1 7			1 7
5	.	.	1 1 7			
6	.	.	1 1 7			
7	.	.	1 1 7			1 7
8	.	.	1 1 7			1 7
9	.	.	1 1 7			1 7
10	.	.	1 1 7			1 7
11	.	.	1 1 7			1 7
12	.	.	1 1 7			1 7
13	.	.	1 1 7			1 7
14	.	.	1 1 7			1 7
15	.	.	1 1 7			1 7
16	.	.	1 1 7			1 7
17	.	.	1 1 7			1 7
18	.	.	1 1 7			1 7
19	.	.	1 1 7			1 7
20	.	.	1 1 7			1 7
21	.	.	1 1 7			1 7
22	.	.	1 1 7			1 7
23	.	.	1 1 7			1 7
24	.	.	1 1 7			1 7
25	.	.	1 1 7			1 7
26	.	.	1 1 7			1 7
27	.	.	1 1 7			1 7
28	.	.	1 1 7			1 7
29	.	.	1 1 7			1 7
30	.	.	1 1 7			1 7
31	.	.	1 1 7			1 7
Monthly	.	.				

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
 - (1) Annual - all hours combined
 - (2) By month - all hours combined
 - (3) By month - by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

1951-1952

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	47	47	47	47	47	47	47	47	47	47	47	47	47
2	47	47	47	47	47	47	47	47	47	47	47	47	47
3	47	47	47	47	47	47	47	47	47	47	47	47	47
4	47	47	47	47	47	47	47	47	47	47	47	47	47
5	47	47	47	47	47	47	47	47	47	47	47	47	47
6	47	47	47	47	47	47	47	47	47	47	47	47	47
7	47	47	47	47	47	47	47	47	47	47	47	47	47
8	47	47	47	47	47	47	47	47	47	47	47	47	47
9	47	47	47	47	47	47	47	47	47	47	47	47	47
10	47	47	47	47	47	47	47	47	47	47	47	47	47
11	47	47	47	47	47	47	47	47	47	47	47	47	47
12	47	47	47	47	47	47	47	47	47	47	47	47	47
13	47	47	47	47	47	47	47	47	47	47	47	47	47
14	47	47	47	47	47	47	47	47	47	47	47	47	47
15	47	47	47	47	47	47	47	47	47	47	47	47	47
16	47	47	47	47	47	47	47	47	47	47	47	47	47
17	47	47	47	47	47	47	47	47	47	47	47	47	47
18	47	47	47	47	47	47	47	47	47	47	47	47	47
19	47	47	47	47	47	47	47	47	47	47	47	47	47
20	47	47	47	47	47	47	47	47	47	47	47	47	47
21	47	47	47	47	47	47	47	47	47	47	47	47	47
22	47	47	47	47	47	47	47	47	47	47	47	47	47
23	47	47	47	47	47	47	47	47	47	47	47	47	47
24	47	47	47	47	47	47	47	47	47	47	47	47	47
25	47	47	47	47	47	47	47	47	47	47	47	47	47
26	47	47	47	47	47	47	47	47	47	47	47	47	47
27	47	47	47	47	47	47	47	47	47	47	47	47	47
28	47	47	47	47	47	47	47	47	47	47	47	47	47
29	47	47	47	47	47	47	47	47	47	47	47	47	47
30	47	47	47	47	47	47	47	47	47	47	47	47	47
31	47	47	47	47	47	47	47	47	47	47	47	47	47
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

6 HOURS WIND
(FROM DAILY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1950-1959

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1950	41	41	41	41	41	41	41	41	41	41	41	41	41
1951	41	41	41	41	41	41	41	41	41	41	41	41	41
1952	41	41	41	41	41	41	41	41	41	41	41	41	41
1953	41	41	41	41	41	41	41	41	41	41	41	41	41
1954	41	41	41	41	41	41	41	41	41	41	41	41	41
1955	41	41	41	41	41	41	41	41	41	41	41	41	41
1956	41	41	41	41	41	41	41	41	41	41	41	41	41
1957	41	41	41	41	41	41	41	41	41	41	41	41	41
1958	41	41	41	41	41	41	41	41	41	41	41	41	41
1959	41	41	41	41	41	41	41	41	41	41	41	41	41
MEAN	41	41	41	41	41	41	41	41	41	41	41	41	41
S.D.	41	41	41	41	41	41	41	41	41	41	41	41	41
TOTAL OBS.	41	41	41	41	41	41	41	41	41	41	41	41	41

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND
(FROM DAILY OBSERVATIONS)

STATION NAME

STATION NAME

STATION NAME

YEARS

41-42

DAILY MAXIMUM WINDS
BASED ON LOGS THAT ARE DISCONTINUOUS FOR MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41				48 48 48 48	48 48 48 48								48 48 48 48
42	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
43													48 48 48 48
44	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
45													48 48 48 48
46	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
47													48 48 48 48
48	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
49													48 48 48 48
50	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
51													48 48 48 48
52	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
53													48 48 48 48
54	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
55													48 48 48 48
56	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
57													48 48 48 48
58	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
59													48 48 48 48
60	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
61													48 48 48 48
62	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
63													48 48 48 48
64	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
65													48 48 48 48
66	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
67													48 48 48 48
68	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
69													48 48 48 48
70	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
71													48 48 48 48
72	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
73													48 48 48 48
74	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
75													48 48 48 48
76	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
77													48 48 48 48
78	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
79													48 48 48 48
80	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
81													48 48 48 48
82	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
83													48 48 48 48
84	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
85													48 48 48 48
86	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
87													48 48 48 48
88	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
89													48 48 48 48
90	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
91													48 48 48 48
92	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
93													48 48 48 48
94	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
95													48 48 48 48
96	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
97													48 48 48 48
98	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
99													48 48 48 48
100	48 48 48 48	48 48 48 48		48 48 48 48	48 48 48 48	48 48 48 48	48 48 48 48						48 48 48 48
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEAR 1977 MONTH JAN
STATION 11111 CLASS ALL WEATHER HOURS (L.S.T.) 21

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	1.0	0	0	0	0	0	0	0	0	0	1.0	5.0
NNE	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0
NE	0	0	0	0	0	0	0	0	0	0	0	1.0	2.0
ENE	0	1.0	0	0	0	0	0	0	0	0	0	4.0	2.0
E	1.0	1.0	1.0	0	0	0	0	0	0	0	0	15.0	4.0
ESE	0	0	0	1.0	0	0	0	0	0	0	0	11.0	5.0
SE	0	0	1.0	0	0	0	0	0	0	0	0	14.0	9.0
SSE	0	0	1.0	1.0	1.0	0	0	0	0	0	0	7.0	11.0
S	0	0	0	0	0	0	0	0	0	0	0	1.0	9.0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	4.0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	1.0	13.0
W	0	0	1.0	0	1.0	0	0	0	0	0	0	5.0	13.0
WNW	0	0	0	1.0	0	0	0	0	0	0	0	1.0	10.0
NW	0	0	0	0	0	0	0	0	0	0	0	1.0	10.0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	10.0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	10.0	0
	24.0	22.0	12.0	15.0	3.0	1.0	0	0	0	0	0	100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEAR 1964 MONTH JAN
 CLASS ALL HOURS (L.S.T.) 14

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	20.0	21.7	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME: ASHEVILLE YEAR: 1957 MONTH: JAN

CLASS: ALL HOURS (L.S.T.): 07

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	4.0	0.0								3.0	4.0
NNE			0.0									0.0	0.0
NE													
ENE	0.0	1.0		0.0								1.0	4.0
E	0.0	11.0	1.0	0.0								12.0	4.0
ESE	0.0	9.0	3.0	0.0								12.0	4.0
SE	0.0	2.0	2.0	2.0	1.0							11.0	3.5
SSE	1.0	1.0	3.0	2.0	0.0							8.0	11.0
S	0.0	1.0		0.0	0.0							2.0	13.0
SSW	0.0	0.0										1.0	3.0
SW	0.0	0.0										0.0	4.0
WSW			0.0									0.0	17.0
W	0.0		1.0	1.0								2.0	11.0
WNW				0.0								0.0	17.0
NW			0.0	0.0								0.0	7.0
NNW		0.0	0.0	0.0								1.0	9.0
VARBL													
CALM												10.0	5.1

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1960-1961 MONTH: 10 HOUR (L.S.T.): 10

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								2.0	6.0
NNE	1.0	1.0	1.0									1.0	3.2
NE	1.0	1.0	1.0									1.0	4.1
ENE	1.0	1.0	1.0									2.0	3.0
E	1.0	4.0	1.0									15.0	2.7
ESE	2.0	12.0	2.0	1.0								24.0	4.9
SE	2.0	4.0	2.0	4.0	1.0	1.0						16.0	8.8
SSE	1.0	1.0	1.0	3.0	1.0	1.0						7.0	11.0
S	1.0	1.0			1.0	1.0						4.0	1.5
SSW	1.0											1.0	2.0
SW	1.0	1.0		1.0	1.0	1.0						6.0	13.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	5.0
W	1.0	1.0	1.0	1.0	1.0	1.0						3.0	11.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	7.7
NW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	4.3
NNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.3
VARBL													
CALM												12.0	
	1.0	2.0	12.0	11.0	7.0	1.0						10.0	5.7

TOTAL NUMBER OF OBSERVATIONS

710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
4	ALL STATE	19	17
CLASS		HOURS (L.S.T.)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.7	1.0	0.7								1.0	2.0
NNE	0.7	0.7	0.7									1.0	4.0
NE	0.7	0.7										1.0	5.0
ENE	1.0	0.7	0.7	0.7								2.0	4.0
E	2.0	4.0	2.0	0.7								10.0	5.0
ESE	4.0	4.0	4.0	0.7	0.7							10.0	5.0
SE	0.7	4.0	0.7	2.0	1.0	1.0	0.7					10.0	3.0
SSE	0.7	1.0	0.7	0.7	1.0	0.7						9.0	11.0
S	0.7	1.0	1.0	1.0		0.7						1.0	8.0
SSW		1.0										1.0	5.0
SW			0.7									0.7	0.7
WSW		1.0	1.0	1.0								1.0	0.7
W	0.7	0.7	1.0	1.0	0.7		0.7					4.0	0.7
WNW	0.7	1.0	1.0									2.0	5.0
NW	2.0	1.0	0.7									5.0	2.0
NNW	0.7	1.0	1.0	1.0								5.0	7.0
VARBL													
CALM												6.0	
	22.0	31.0	22.0	17.0	8.0	2.0	0.6					10.0	6.7

TOTAL NUMBER OF OBSERVATIONS

217

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
4	ASHEVILLE, NC	1950-1951	1
CLASS		HOURS (L.S.T.)	
ALL		1	
CONDITION			

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0.7	1.0									1.7	4.0
NNE	0	1.0	0									1.0	3.0
NE	0	0	0									1.0	2.0
ENE	0	1.0	0									2.0	2.0
E	0	0	0									1.0	4.0
ESE	0	0	0	1.0	0.7							1.7	3.0
SE	0	0	0	1.0	0.7							1.7	3.0
SSE	0	1.0	0	0.7	0.7							1.7	3.0
S	0	0.7	1.0	0.7	0.7							1.7	3.0
SSW	0	0	0									0	3.0
SW	0	0	0									0	3.0
WSW	0	0	0	0.7	0.7							1.7	3.0
W	1.0	0	1.0	1.0	1.0							1.0	3.0
WNW	0	0	0	0								0	3.0
NW	0	1.0	1.0									2.0	3.0
NNW	0	0	1.0									1.0	3.0
VARBL													
CALM												1.0	3.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ILE, A. YEARS: 1957-58 MONTH: 11 HOURS (L.S.T.): 11

CLASS: LL - CONTINUED

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0	0	0								1.0	4.0
NNE	1.0	0	0									1.0	2.1
NE	1.0	0	0									1.0	2.0
ENE	0	0	0									1.0	2.0
E	1.0	0	0	0								1.0	4.1
ESE	0	0	0	1.0								1.0	5.4
SE	0	0	0	0	0	1.0						1.0	5.9
SSE	0	0	0	1.0	1.0	1.0	0					6.0	13.3
S	0	0	0	1.0		0						2.0	13.7
SSW	0	0	0									0	5.7
SW	0	0	0	1.0								0	1.0
WSW	0	0	0	1.0								2.0	12.1
W	0	1.0	0	1.0	1.0	0						4.0	11.0
WNW	0	1.0	0	1.0	0							2.0	12.7
NW	0	0	0	0								1.0	7.5
NNW	0	0	0									1.0	2.7
VARBL													
CALM												1.0	
	12.0	2.0	1.0	11.0	2.0	2.0	0					10.0	5.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME: ASHEVILLE, NC YEAR: 1966 MONTH: 01

CLASS: ALL DATA HOURS (L.S.T.): 00

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	1.0	4.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	7.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	1.0	1.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1950-1951 MONTH JUL
CLASS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0	0	0	0	0	0	0	0	0	0	3.1	4.6
NNE	0	0	0	0	0	0	0	0	0	0	0	1.0	5.9
NE	0	0	0	0	0	0	0	0	0	0	0	1.0	2.9
ENE	1.0	0	0	0	0	0	0	0	0	0	0	2.7	3.7
E	2.0	0	0	0	0	0	0	0	0	0	0	14.5	4.1
ESE	0	0	0	0	0	0	0	0	0	0	0	10.1	6.2
SE	0	0	0	0	0	0	0	0	0	0	0	14.5	4.9
SSE	0	1.1	1.0	0	0	0	0	0	0	0	0	6.2	11.7
S	0	0	0	0	0	0	0	0	0	0	0	3.1	1.0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	1.0
SW	0	0	0	0	0	0	0	0	0	0	0	0	7.4
WSW	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0
W	0	0	0	0	0	0	0	0	0	0	0	4.7	11.7
WNW	0	0	0	0	0	0	0	0	0	0	0	2.0	1.0
NW	0	0	0	0	0	0	0	0	0	0	0	1.0	1.0
NNW	0	0	0	0	0	0	0	0	0	0	0	2.1	1.1
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	10.1	5.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAVY ILLINOIS YEARS 1966 MONTH 1
CLASS ALL SEAS HOURS (L.S.T.) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLAS HOURS (L.S.T.)

MOORE (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0		0.0	0.0								0.1	1.0
NNE	0.0		0.0									0.7	0.0
NE	0.0	0.0	0.0									1.0	0.0
ENE	1.0	0.7	0.0									0.1	0.0
E	0.0	0.7	0.0									1.0	0.0
ESE	0.0	0.0	0.0	0.0								0.0	0.0
SE	1.0	0.0	0.0	0.0	0.7	0.7						12.1	10.0
SSE	1.0	1.0	0.0	0.0	0.7	0.0						9.0	10.0
S	1.0	1.0	1.0	0.0				0.0				7.0	9.0
SSW			0.0									0.4	0.0
SW	0.0	0.0	0.0									1.0	0.0
WSW	0.0		0.0	0.7								1.0	0.0
W		0.0	1.0	1.0	1.0							6.0	12.0
WNW			0.0									0.4	10.0
NW				0.0								0.0	11.0
NNW			0.0									0.0	10.0
VARBL													
CALM												1.0	
	10.0	20.0	10.0	10.0	0.5	1.0		0.4				10.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-1951 MONTH 1
HOURS (L.S.T.) 0000-2300

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1950-1951 MONTH 1
 CLASS ALL HOURS (L.S.T.) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	1.4	0.3
NNE	0	0	0	0	0	0	0	0	0	0	0	0.7	0.5
NE	0	0	0	0	0	0	0	0	0	0	0	1.0	0.6
ENE	0	1.1	0	0	0	0	0	0	0	0	0	1.0	0.7
E	0	0	0	0	0	0	0	0	0	0	0	11.7	0.1
ESE	0	0	0	0	0	0	0	0	0	0	0	20.0	0.7
SE	0	0	0	0	0	0	0	0	0	0	0	20.0	10.9
SSE	1.1	1.4	2.0	1.0	1.0	1.0	0	0	0	0	0	15.1	12.4
S	1.1	1.6	2.0	1.4	1.1	0	0	0	0	0	0	7.5	9.7
SSW	0	0	0	0	0	0	0	0	0	0	0	1.4	0.5
SW	0	0	0	0	0	0	0	0	0	0	0	1.4	0.5
WSW	0	0	0	0	0	0	0	0	0	0	0	1.4	0.5
W	0	0	0	0	0	0	0	0	0	0	0	2.0	15.1
WNW	0	0	0	0	0	0	0	0	0	0	0	1.4	0.5
NW	0	1.1	0	0	0	0	0	0	0	0	0	1.4	0.5
NNW	1.0	0	0	0	0	0	0	0	0	0	0	2.0	5.1
VARBL	0	0	0	0	0	0	0	0	0	0	0	10.0	0
CALM	1.0	2.0	17.0	16.0	6.0	0.7	0	0	0	0	0	10.0	7.4

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE MONTH: 1
 STATION: 4 YEARS: 1960
 CLASS: ALL HOURS (L.S.T.): 1

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.4
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.5
E	0.1	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	4.5
ESE	0.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	7.5
SE	1.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	10.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	12.4
S	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	10.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.5
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.5
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.5
W	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.9
WNW	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	6.5
NW	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	3.5
NNW	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.7
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.0	22.0	21.4	17.0	6.6	2.0	0.7	0.0	0.0	0.0	0.0	10.0	6.2

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME NAVY TLT, AS MONTH FEB
 CLASS ALL WEATHER YEAR 196
 HOURS (L.S.T.) 16

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.1									3.0	4.0
NNE			1.1									2.0	2.6
NE												0.0	0.0
ENE	1.1	1.0	0.0									3.0	4.1
E	1.1	1.0	1.1									6.0	3.2
ESE	1.0	1.0	1.1	1.1								13.0	1.9
SE	0.0	1.0	1.1	1.0	1.4	0.0						13.0	11.7
SSE	0.0	1.0	1.1	1.0	2.7	1.0						14.0	12.6
S	1.1	1.0	1.1	1.0	0.4							5.7	7.9
SSW	0.0	0.7	0.4	0.4								1.0	4.4
SW	0.0											0.0	2.0
WSW	1.1	0.0										1.0	3.4
W	1.0	1.0	1.0	1.1	0.7							7.1	9.0
WNW	1.0	1.0	0.7	0.7	0.0							7.1	5.0
NW	0.0	1.0	1.1	0.7								6.0	5.6
NNW	1.1	1.0	0.7	0.4								7.1	4.0
VARBL													
CALM												7.0	
	17.0	17.7	21.0	10.7	5.7	2.0						10.0	7.4

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: EVIL YEARS: 1960 MONTH: 10
CLASS: ALL HOURS (L.S.T.): 10

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.1
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2.0	17.7	19.1	11.2	1.4	1.4						10.0	6.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1957 MONTH: 07

CLASS: ALL WEATHER HOURS (L.S.T.): 00

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	0.0									1.0	3.7
NNE	1.0	0.0		0.0								2.0	4.5
NE	0.0											0.0	1.0
ENE	1.0	0.0										1.0	3.4
E	2.0	0.0	1.0	0.0								14.0	2.9
ESE	2.0	0.0	4.0	1.0	0.0	0.0						20.0	6.7
SE	2.0	1.0	2.0	2.0	1.0	0.7						14.0	16.0
SSE	1.0	0.0	0.0	2.0	1.0	1.0						11.0	12.1
S	0.0		0.0	1.0	0.0	0.0						2.0	12.1
SSW		0.0		0.0								0.0	17.0
SW		0.0		0.0								0.0	9.0
WSW		0.0										1.0	0.0
W	0.0	0.0	1.0	2.0			0.0					5.0	11.0
WNW		0.0	1.0	1.0								2.0	11.0
NW	1.0		0.0	0.0								1.0	0.2
NNW													
VARBL													
CALM												10.0	0.0
	0.0	1.0	1.0	1.0	1.0	0.0	0.0					10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: STATION 1111 YEARS: 1951 MONTH: ALL

CLASS: ALL HOURS (L.S.T.): ALL

CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

1250

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE MONTH JAN
STATION 4 YEARS 1950
CLASS LL HOURS (L.S.T.) 01

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	1.0	7.0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1977 MONTH: 4
CLASS: ALL HOURS (L.S.T.): 0000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0									0.7	4.7
NNE		0.0										0.0	0.0
NE													
ENE	1.0											1.0	2.7
E	0.0	0.0	0.0									10.0	4.0
ESE	0.0	0.0	0.0	1.0	0.0							1.0	5.2
SE	0.0	1.0	0.0	0.0	0.0							11.0	5.1
SSE	1.0	0.0	0.0	0.0	1.0	0.0						11.0	11.1
S	1.0	0.0	0.0	0.0	0.0	0.0						4.0	6.7
SSW	0.0	0.0	0.0									1.0	0.0
SW	0.0	0.0	0.0									1.0	4.7
WSW	0.0	0.0	0.0									1.0	0.0
W	0.0	1.0	1.0	0.0	1.0							6.0	11.4
WNW	0.0	1.0	1.0	1.0								5.0	9.7
NW	0.0	0.0	0.0	1.0	0.0							2.0	10.0
NNW	0.0	0.0	0.0	0.0								1.0	7.7
VARBL													
CALM													
	21.0	27.0	14.0	14.2	6.0	1.0						10.0	5.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE YEARS: 1954 MONTH: 12

CLASS: ALL MOORE (L.S.T.): 17

CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									3.0	3.0
NNE	1.0	1.0	1.0									3.0	3.0
NE	1.0	1.0	1.0									3.0	3.0
ENE	1.0	1.0	1.0									1.0	4.0
E	1.0	1.0	1.0									1.0	3.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	4.0
SE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
S	1.0	1.0	1.0	1.0	1.0	1.0						6.0	3.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
SW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
W	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
NW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0						1.0	3.0
	27.0	24.0	17.0	17.0	7.0	1.0						10.0	3.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE YEAR: 1954 MONTH: 1
CLASS: ALL HOURS (L.S.T.): 1

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												10.2	3.0
NNE												10.2	3.0
NE												10.2	4.7
ENE												10.2	3.0
E												10.2	5.0
ESE												10.2	6.0
SE												13.0	10.7
SSE												17.0	12.1
S												9.0	1.0
SSW												10.2	5.7
SW												10.2	1.0
WSW												10.2	1.0
W												10.2	8.0
WNW												9.7	5.0
NW												4.0	1.0
NNW												10.2	1.0
VARBL													
CALM												7.0	
	1.0	10.0	10.1	17.0	7.1	1.0						110.0	7.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1950-1951 MONTH 1

CLASS 1 HOURS (L.S.T.) 1

CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•	•	•	•	•	•	•	•	3.0	•
NNE	•	•	•	•	•	•	•	•	•	•	•	•	•
NE	•	•	•	•	•	•	•	•	•	•	•	•	•
ENE	•	•	•	•	•	•	•	•	•	•	•	•	•
E	•	•	•	•	•	•	•	•	•	•	•	•	•
ESE	•	•	•	•	•	•	•	•	•	•	•	•	•
SE	•	•	•	•	•	•	•	•	•	•	•	•	•
SSE	•	•	•	•	•	•	•	•	•	•	•	•	•
S	•	•	•	•	•	•	•	•	•	•	•	•	•
SSW	•	•	•	•	•	•	•	•	•	•	•	•	•
SW	•	•	•	•	•	•	•	•	•	•	•	•	•
WSW	•	•	•	•	•	•	•	•	•	•	•	•	•
W	•	•	•	•	•	•	•	•	•	•	•	•	•
WNW	•	•	•	•	•	•	•	•	•	•	•	•	•
NW	•	•	•	•	•	•	•	•	•	•	•	•	•
NNW	•	•	•	•	•	•	•	•	•	•	•	•	•
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEAR: _____ MONTH: _____
CLASS: _____ HOURS (L.S.T.): _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•									•	5.7
NNE	•											•	5.7
NE	•	•										•	5.7
ENE	•											•	5.7
E	•	•	•	•								•	5.7
ESE	•	•	•	•								•	5.7
SE	•	•	•	•	•							•	5.7
SSE	•	•	•	•	•	•						•	5.7
S	•	•	•	•	•	•						•	5.7
SSW		•										•	5.7
SW		•	•	•								•	5.7
WSW	•	•	•	•	•							•	5.7
W	•	•	•	•	•	•						•	5.7
WNW	•	•	•	•	•	•						•	5.7
NW	•	•	•	•	•	•						•	5.7
NNW	•	•	•	•	•	•						•	5.7
VARBL													
CALM													
	17.0	11.0	24.0	11.0	5.0	1.0						10.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

4 24566-94-32 1225 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) STATION NAME STATION YEARS MONTH HOURS (L S T) CLASS CONDITION | SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED | |-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------| | N | • | • | • | | | | | | | | | • | • | | NNE | • | | | | | | | | | | | • | • | | NE | | | | | | | | | | | | | | | ENE | • | • | | | | | | | | | | • | • | | E | • | • | • | | | | | | | | | • | • | | ESE | • | • | • | | | | | | | | | • | • | | SE | • | • | • | • | • | • | | | | | | • | • | | SSE | • | • | • | • | • | • | | | | | | • | • | | S | • | • | • | • | • | • | | | | | | • | • | | SSW | • | • | • | | | | | | | | | • | • | | SW | • | • | • | | | | | | | | | • | • | | WSW | • | • | • | | | | | | | | | • | • | | W | • | • | • | • | • | • | • | | | | | • | • | | WNW | • | • | • | • | • | • | • | | | | | • | • | | NW | • | • | • | • | • | • | | | | | | • | • | | NNW | • | • | • | • | • | • | | | | | | • | • | | VARBL | | | | | | | | | | | | | | | CALM | | | | | | | | | | | | | | | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | TOTAL NUMBER OF OBSERVATIONS SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: STATION 2147 YEARS: 1950 MONTH: 02

CLASS: ALL CONDITION: ACTIVE

MOORE (L.S.T.): 00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	1.0	6.0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: STATION 1 YEARS: 1961 NORTH: ALL

CLASS: ALL HOURS (L.S.T.): ALL

CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
NNE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
NE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
ENE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
E	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
ESE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
SE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
SSE	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7
S	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3
SSW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
SW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
WSW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
W	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
WNW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3
NW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
NNW	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
VARBL	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.0	2.0	2.0	1.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 19 MONTH 11
CLASS ALL HOURS (L.S.T.) 11

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	0.7										1.7	7.2
NNE													
NE	0.7											0.7	2.0
ENE	0.7											0.7	2.0
E	1.7	2.7	0.7									5.7	3.0
ESE	1.7	4.7	1.7	0.7								11.0	3.0
SE	1.7	2.7	2.7	0.7	0.7							8.7	6.2
SSE	1.7	1.7	1.7	0.7	0.7	0.7						7.0	5.2
S	0.7	0.7	1.7	1.7	0.7							4.0	10.7
SSW	1.7	0.7	1.7									1.7	6.7
SW	0.7	0.7	0.7									7.0	4.2
WSW	0.7	0.7	1.7	0.7								4.7	6.0
W	1.7	4.7	7.7	3.7	0.7							18.7	5.8
WNW	0.7	0.7	1.7	0.7	0.7	0.7						5.7	11.0
NW	1.7	0.7	0.7									4.0	4.2
NNW	0.7			0.7								1.0	5.7
VARBL												0.7	
CALM												0.7	
	10.7	1.7	21.0	17.7	1.7	0.7	0.7					10.0	1.5

TOTAL NUMBER OF OBSERVATIONS

700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1964 MONTH 7
CLASS LL HOURS (L.S.T.) 24

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0			0								1.0	5.0
NNE													
NE													
ENE													
E	0	0	0	0								0.3	0.0
ESE	0	0	0	0								11.0	3.3
SE	0	0	0	0								17.0	4.0
SSE	0	0	0	0								9.0	6.0
S	0	0	0	0								10.0	5.0
SSW	0	0	0	0								6.0	6.0
SW	0	0	0	0								1.0	4.0
WSW	0	0	0	0								2.0	0.7
W	0	0	0	0								3.0	0.0
WNW	0	0	0	0								10.0	0.4
NW	0	0	0	0								6.0	10.6
NNW	0	0	0	0								1.0	0.4
VARBL												1.0	2.3
CALM												2.0	
	20.7	27.3	15.7	13.0	1.7	1.0						10.0	5.3

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-1951 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) 07

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	100	100	100	100	100	100	100	100	100	100	100	100	100

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME NAVY ILLINOIS YEAR 1960 MONTH 1
CLASS LL HOURS (L.S.T.) 1

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0	0	1.0								1.7	10.5
NNE		0										0.3	6.0
NE		0	0									1.0	5.7
ENE													
E	0	1.0	0									2.0	5.2
ESE	1.0	1.0	1.0	1.0								0.7	5.7
SE	0	0	0	0	1.0							10.0	10.5
SSE	0	0	0	0	1.0	0						16.0	10.4
S	0	1.0	0	1.0								8.0	5.6
SSW		0	0		0							1.0	10.3
SW	0	0	1.0									2.0	6.3
WSW	0	0	1.0	0								4.0	5.7
W	0	0	0	0	0							17.0	6.7
WNW	0	0	1.0	0	1.0							12.0	6.7
NW	0	0	1.0	0								5.0	4.0
NNW	1.0	1.0	0	1.0								6.0	6.0
VARBL													
CALM												4.0	
	10.0	33.0	30.0	14.0	4.0	0						10.0	7.4

TOTAL NUMBER OF OBSERVATIONS

10

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1968 MONTH 1
HOURS (L.S.T.) 1

CLASS ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												0.7	0.0
NNE													
NE												0.7	0.0
ENE													
E												1.0	0.0
ESE												2.0	0.0
SE												2.0	0.0
SSE												11.0	0.0
S												2.0	0.0
SSW												2.0	0.0
SW												4.0	0.0
WSW												2.0	0.0
W												10.0	0.0
WNW												5.0	0.0
NW												2.0	0.0
NNW												1.0	0.0
VARBL													
CALM												1.0	0.0
												1.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

AP

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0	1.0	0.0								1.0	1.0
NNE													
NE													
ENE		0											
E		1.0	0.0	0.0								0.0	0.0
ESE	0	1.0	1.0	0.0								0.0	0.0
SE	0	1.0	1.0	0.0	0.0							0.0	0.0
SSE	0	1.0	1.0	0.0	1.0							0.0	0.0
S	0	1.0	4.0	1.0	0.0	0.0						0.0	0.0
SSW	0	0	0.0	0.0								0.0	0.0
SW	0	0	0.0	0.0								0.0	0.0
WSW	1.0	0.0	0.0									0.0	0.0
W	0	1.0	0.0	0.0	0.0							0.0	0.0
WNW	0	0.0	0.0	0.0	0.0							0.0	0.0
NW	1.0	0.0	0.0	0.0								0.0	0.0
NNW	0	1.0	1.0									0.0	0.0
VARBL													
CALM	1.0	1.0	1.0	1.0	0.0	0.0	0.0					1.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1225 STATION NAME 11 CLASS 11 MONTH 11 HOURS (L.S.T.) 11

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	0.0									1.0	1.0
NNE													
NE													
ENE	0.0											0.0	1.0
E	0.0	1.0	0.0									4.0	1.0
ESE	0.0	1.0	1.0									2.0	1.0
SE	1.0	1.0	0.0	1.0	1.0							6.0	1.0
SSE	0.0	1.0	0.0	0.0	0.0	0.0						5.0	1.0
S	1.0	1.0	0.0	0.0	1.0	0.0						5.0	1.0
SSW		1.0	0.0									2.0	1.0
SW	1.0	1.0	1.0									4.0	1.0
WSW	0.0	0.0	0.0									0.0	0.0
W	0.0	0.0	0.0	0.0	1.0	0.0						11.0	1.0
WNW	0.0	0.0	0.0	0.0	1.0							10.0	0.0
NW	1.0	1.0	0.0	0.0								3.0	1.0
NNW	0.0	1.0	0.0									0.0	1.0
VARBL													
CALA												17.0	
	20.0	26.0	10.0	7.0	1.0	1.0						100.0	0.0

TOTAL NUMBER OF OBSERVATIONS

200

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME STATION 1145 MONTH APR

CLASS ALL YEARS 1950

CONDITION _____

HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	0.7										1.7	2.2
NNE		0.7										0.7	1.0
NE	0.7											0.7	1.0
ENE	1.7											1.7	2.3
E	0.7	1.7										2.4	2.3
ESE	0.7	0.7	0.7									3.1	3.1
SE	0.7	0.7	0.7	1.7	1.7							7.7	7.7
SSE	1.7	1.7	0.7	1.7	0.7	0.7	0.7					7.0	9.0
S	0.7	0.7		1.7	0.7							3.0	11.0
SSW	0.7	1.7										2.4	4.7
SW	0.7	1.7	0.7									3.1	6.3
WSW	0.7	1.7	1.7	1.7								6.0	6.6
W	0.7	0.7	4.7	0.7	0.7	0.7						12.0	9.4
WNW	0.7	0.7	1.7	0.7								6.0	9.8
NW	1.7	0.7										1.7	3.0
NNW	0.7	0.7										1.0	3.3
VARBL													
CALM												21.0	
	2.0	17.0	10.0	1.7	1.7	0.7	0.7					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

SMOS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	A.D.	MONTH	DAY	HOURS (L.S.T.)
	LLANABETH					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•								1.1	1.1
NNE		•										•	•
NE	•	•	•									•	•
ENE	•	•										•	•
E	•	1.1	•				•					•	•
ESE	•	•	1.1	•								•	•
SE	•	•	•	1.1	•	•						•	•
SSE	•	1.1	•	•	•	•	•					•	•
S	•	1.1	•	1.1	•	•						•	•
SSW	•	•	•	•	•		•					•	•
SW	•	1.1	1.1	•								•	•
WSW	•	•	1.1	•								•	•
W	•	•	•	1.1	•	•	•					•	•
WNW	1.1	•	1.1	1.1	•	•						•	•
NW	•	•	•	•	•							•	•
NNW	1.1	•	1.1	•								•	•
VARBL													
CALM												1.1	
	1.1	•	1.1	1.1	•	•	•					1.1	•

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

[illegible][illegible]

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	2.
NNE		.										.	4.
NE													
ENE	.											.	2.
E	.	.	.									11.	2.
ESE	.	.	1.	.								11.	4.1
SE	.	1.	1.	1.								7.	6.4
SSE	.	.	1.	1.	.							7.	7.
S	1.	1.										2.	2.7
SSW	.	1.										2.	1.
SW	.	4.	1.	.								7.	2.
WSW	.	.	1.	.								7.	2.
W	1.	1.	1.	1.								12.	2.4
WNW	1.	1.	.	1.								12.	1.1
NW	.	.		.								12.	4.
NNW				.								.	14.
VARBL													
CALM													
	11.	27.	1.	.	.							12.	2.2

TOTAL NUMBER OF OBSERVATIONS

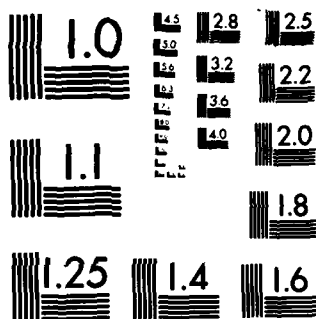
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
WHIDBEY ISLAND WASHINGTON(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

2/4

F/G 4/2

NL

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAVY ILLINOIS YEAR 1947 MONTH MAY

CLASS ALL WEATHER HOURS (L.S.T.) 17

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												0.7	5.0
NNE													
NE												0.7	1.0
ENE												0.7	2.0
E	1.0	3.0	3.0									5.0	4.0
ESE	1.0	4.0	4.0	0.7								6.7	4.4
SE	1.0	2.0	2.0	1.0	0.7							9.4	7.3
SSE	1.0	2.0	2.0	2.0	0.7	0.7						10.0	5.1
S	1.0	2.0	1.0									5.0	5.2
SSW	2.0	1.0	0.7	0.7								4.0	4.2
SW	1.0	2.0	1.0									6.0	5.4
WSW	0.7	2.0	2.0	0.7								11.0	4.6
W	4.0	2.0	2.0	1.0	0.7							12.0	4.2
WNW	1.0	2.0	1.0	0.7								7.0	4.0
NW	1.0	0.7	0.7									2.0	3.1
NNW	1.0											1.0	4.0
VARBL													
CALM												12.0	
	2.0	2.0	1.0	7.7	1.0	0.7						10.0	4.5

TOTAL NUMBER OF OBSERVATIONS

110

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME WHEELER ISLAND, GA YEAR 1950 MONTH MAY
STATION 2000 CLASS ALL WEATHER HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0									1.0	5.0
NNE													
NE													
ENE	0											0	5.0
E	0	0										1.0	3.0
ESE	0	1.0	1.0									2.0	5.0
SE	0	1.0	2.0	1.0	0.3							7.0	9.0
SSE	0	0.2	3.0	3.0								11.0	5.0
S	1.0	1.0	1.0	1.0		0.7						5.0	7.0
SSW	0	2.0	0.3	0.3								3.0	5.0
SW	1.0	3.0	3.0									5.0	5.0
WSW	0	4.0	3.0									10.0	5.0
W	3.0	3.0	4.0	2.0								20.0	5.0
WNW	0	1.0	1.0	0.6								16.0	5.0
NW	0	3.0	3.0	0.3								7.0	6.0
NNW	1.0	1.0	1.0	0.3								4.0	5.0
VARBL													
CALM												2.0	
	17.0	42.0	25.0	11.0	0.3	0.7						10.0	6.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 20003 ROSEY ISLAND, VA 12-37 YEARS MAY
 STATION NAME ALL DATA MONTH 1
 CLASS ALL DATA HOURS (L.S.T.) 1

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												0.5	8.0
NNE													
NE												0.3	2.0
ENE													
E												0.3	5.0
ESE												1.0	6.0
SE												3.0	7.4
SSE												10.0	10.5
S												5.0	6.0
SSW												0.1	10.0
SW												3.0	5.6
WSW												9.7	5.6
W												10.0	6.2
WNW												21.5	5.9
NW												9.0	5.3
NNW												2.0	5.5
VARBL													
CALM												0.5	
	11.0	40.7	28.4	7.1	1.6	0.6						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

31

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME CHEROKEE ISLAND, NC YEAR 1960 MONTH 14
STATION ALL CLASS ALL HOURS (L.S.T.) 14

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.7									.7	5.5
NNE													
NE													
ENE		.7										.7	4.0
E	.7	.3										.3	2.5
ESE		.7	.7									.7	6.0
SE		1.0	1.3		.5							2.9	9.9
SSE		1.0	1.0	1.0	.5							5.0	9.9
S	.7	.7	.7	.7	.6							2.6	9.8
SSW	.7	.6	.6									1.0	7.0
SW	.7	1.0	1.7	.6								3.0	6.7
WSW	1.0	4.2	7.7	1.6								15.5	7.1
W	1.0	17.7	11.6	1.9	.3							34.2	6.4
WNW	2.0	11.3	4.7	.6	.3	.7						21.0	6.1
NW	1.0	4.0	1.0			.7						6.3	5.8
NNW	1.0	1.3	.3									2.0	4.5
VARBL													
CALM												1.7	
	17.7	64.0	21.3	6.6	2.6	.7						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2325 JOHNS ISLAND, GA 17-00 19 19 19
 MONTH MAY
 YEAR 19
 HOURS (L.S.T.) 10

STATION NAME ALL SEATIME
 CLASS
 CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	2.5
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	3.0
ESE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0	5.6
SE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.0	4.8
SSE	0.3	1.0	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.0	5.2
S	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	11.0
SSW	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.0	4.7
SW	0.3	0.3	3.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	10.0	5.0
WSW	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	11.0	5.4
W	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	22.1	6.1
WNW	0.3	0.3	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	13.0	5.2
NW	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.0	4.8
NNW	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	2.0
VARB												15.2	
CALM	24.1	37.5	16.7	7.4	0.6	1.7						170.0	5.0

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME
STATION
MAY 1967
YEARS
MAY
MONTH
22
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•											••	2.0
NNE													
NE	•		•									••	5.0
ENE	••											1.0	2.0
E	1.0	1.3										2.0	3.3
ESE	1.0	••	1.0	••								4.0	6.1
SE	1.0	1.3	1.0	••	••							4.0	7.5
SSE	1.0	••	1.0	••								3.0	6.1
S	••	••	••	••								3.0	6.2
SSW	1.0	1.3	••									3.0	3.6
SW	••	3.0	1.0									8.1	4.6
WSW	••	5.0	1.0	1.0								13.0	5.0
W	4.0	4.0	4.0	4.0	••							19.0	7.5
WNW	1.0	1.0	1.0	••	••							5.0	6.0
NW	••	••		••								1.0	5.3
NNW	••	1.0	••		••							2.0	6.0
VARBL													
CALM												27.7	
	23.0	22.3	15.0	3.7	1.0							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME STATION NAME YEARS 1950 MONTH MAY

CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0	0									0.0	4.0
NNE		0										0.0	4.0
NE	0		0									0.0	2.0
ENE	0	0										0.0	2.0
E	0	0	0									0.0	2.0
ESE	0	0	0	0								0.0	2.0
SE	0	0	0	0	0							0.0	2.0
SSE	0	0	0	0	0	0						0.0	2.0
S	0	0	0	0	0	0						0.0	2.0
SSW	0	0	0	0	0	0						0.0	2.0
SW	0	0	0	0	0	0						0.0	2.0
WSW	0	0	0	0	0	0						0.0	2.0
W	0	0	0	0	0	0						0.0	2.0
WNW	0	0	0	0	0	0						0.0	2.0
NW	0	0	0	0	0	0						0.0	2.0
NNW	0	0	0	0	0	0						0.0	2.0
VARBL												0.0	2.0
CALM												0.0	2.0
	2.0	3.0	2.0	1.0	1.0	0.0						10.0	5.0

TOTAL NUMBER OF OBSERVATIONS

2400

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME CHERRY LAKE, NC YEARS 73-82 MONTH JUN
 CLASS ALL WEATHER HOURS (L.S.T.) 21

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	10.0	23.0	12.0	4.0	.0							10.0	3.4

TOTAL NUMBER OF OBSERVATIONS

700

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME
STATION
JULY 1964
JULY
NORTH
04
HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0											0	3.0
NNE												0	2.0
NE	0											1.0	1.7
ENE	1.0											7.7	2.0
E	2.0	0.7										6.3	3.3
ESE	1.0	1.7	0.7	0.7								6.3	4.0
SE	3.0	2.3	1.0	0.7								4.0	3.9
SSE	1.0	2.0	0.7									3.7	2.0
S	0	0.7										5.7	3.1
SSW	0	1.7										12.3	4.7
SW	4.0	5.7	2.3	0.7								12.3	5.2
WSW	0	4.7	4.0									9.0	6.3
W	1.0	3.3	2.3	1.0								4.7	6.9
WNW	1.0	0.7	1.0	1.0								0	1.0
NW	0	0.7										0	2.0
NNW	0											0	2.0
VARBL												0	2.0
CALM												0	2.0
	0.7	23.0	12.0	7.7								10.0	3.3

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION SPRINGFIELD, ILL. STATION NAME SPRINGFIELD, ILL. YEAR 1977 MONTH JUN
CLASS ALL WEATHER HOURS (L.S.T.) 07

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0											0	2.0
NNE													
NE													
ENE	0											0	2.0
E	1.0	2.0	1.0									3.0	4.5
ESE	0	1.0	1.0									6.0	4.4
SE	0	2.0	1.0	0.3								7.0	5.0
SSE	1.0	1.0	1.0	1.0								5.0	7.1
S	0	1.0	1.0									5.0	4.4
SSW	0	2.0										6.0	7.0
SW	0	0.0	2.0									11.0	4.3
WSW	4.0	2.0	2.0	0.7								17.0	5.7
W	0	0	4.0	0.7								12.0	5.4
WNW	0	0	0.7	1.3								8.0	4.3
NW	0	0										2.0	4.5
NNW	0	1.0										2.0	3.5
VARBL													
CALM												10.0	
	34.0	32.7	17.7	7.0								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME STATION 1 YEAR 77 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	10.0	24.0	20.0	9.0	0.0							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE ILLINOIS YEAR 1958 MONTH 10

CLASS LL HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•											•	2.0
NNE													
NE												•	2.0
ENE	•											•	7.0
E													
ESE		•	1.0									2.0	7.0
SE		•	•	•	•							4.0	7.0
SSE		1.0	•	•	•							2.0	7.0
S	•	•	•	•	•							2.0	7.0
SSW	•	•	•									•	3.0
SW	•	1.0	•									4.0	7.0
WSW	1.0	•	•	1.0								1.0	7.0
W	•	1.0	1.0	•								1.0	7.0
WNW	•	1.0	2.0	•								2.0	7.0
NW	1.0	•	1.0									7.0	7.0
NNW	•	2.0	1.0									4.0	7.0
VARBL													
CALM												1.0	
	1.0	4.0	31.0	1.0	•							1.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1961 MONTH JUN
HOURS (L.S.T.) 14

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0	0									1.1	5.2
NNE													
NE													
ENE													
E	0	0										0.7	3.3
ESE	0	0	1.0	0.7								1.7	7.4
SE	0	1.0	1.0	0.7								2.7	7.6
SSE	0	0.7	1.0	1.0								4.0	3.5
S	0.7	1.0	0.7									2.7	4.2
SSW	0	0.7	0.7									1.7	4.2
SW	1.0	0.7	0.7	1.0								5.3	7.2
WSW	0.7	0.7	0.7	0.7								15.3	6.9
W	0.7	1.0	0.7	0.7	0.7							34.3	5.7
WNW	0.7	0.7	0.7	0.7	0.7							17.3	5.6
NW	0.7	0.7	0.7									5.7	4.9
NNW	0.7	0.7	1.0	0.7								4.7	5.7
VARBL												1.0	
CALM												10.0	6.0

TOTAL NUMBER OF OBSERVATIONS

120

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 19 MONTH 10
 CLASS LL HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0											0	2.0
NNE													
NE													
ENE	0											0	2.0
E	0	1.0										1.0	4.0
ESE	0	1.0	0.7	0.7								2.0	5.0
SE	0	1.0	0.7	0.7								2.0	5.0
SSE	0	0.7	0.7	0.7	0.7							2.0	6.0
S	0	0.7	0.7	0.7								1.0	4.0
SSW	0	1.0	0.7	0.7								1.0	4.0
SW	0	0.7	0.7	0.7								1.0	5.0
WSW	0	0.7	0.7	0.7								1.0	5.0
W	1.0	1.0	0.7	0.7	0.7							3.0	5.0
WNW	0	0.7	0.7	0.7	0.7							1.0	4.0
NW	0	0.7	0.7	0.7								0	4.0
NNW	0	0.7	0.7	0.7								0	4.0
VARBL													
CALM												9.0	
	51.0	30.3	15.7	4.3	0.7							10.0	4.5

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1950 MONTH ALL

CLASS ALL HOUR (L.S.T.) ALL

CONDITION ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0.1	0									0	3.4
NNE													
NE	0											0	2.7
ENE	0	0										0	2.1
E	1.0	1.0	0.3	0.2								7.0	3.4
ESE	0	1.0	0.1	0.2								4.0	4.7
SE	0	1.0	1.0	0.2	0.1							4.4	6.3
SSE	0	1.0	1.0	0.7	0.2							4.0	6.9
S	1.0	0.7	0.3	0.1								7.0	4.7
SSW	1.0	1.0	0.1									3.0	3.5
SW	0	0.0	2.0	0.4								10.0	5.0
WSW	0.4	0.4	0.0	0.7								14.0	5.5
W	0.4	1.0	0.4	1.0	0.1							23.0	5.7
WNW	0	0.0	1.0	0.7	0.7							11.0	5.2
NW	1.0	0.1	0.4	0								2.0	4.4
NNW	0	0	0.7	0								1.0	4.6
VARBL													
CALM												13.7	
	0.0	2.0	1.0	4.0	0.5							10.0	4.6

TOTAL NUMBER OF OBSERVATIONS

2400

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEAR 1953 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 24

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NIE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	34.2	11.7	13.2	1.6	.6							10.6	1.8

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: WOLF CREEK ISLAND, NC YEARS: 1950 MONTH: JUL
CLASS: ALL WEATHER HOURS (L.S.T.): 04

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0											0	2.0
NNE													
NE													
ENE	0											0	2.0
E	0.0	1.0										0.0	2.0
ESE	0.0	1.0										0.0	2.0
SE	0.0	0.6	1.0									0.0	2.0
SSE	1.0	1.0	0.6	0.3								0.0	2.0
S	0.0	1.0	0.3	0.3								0.0	2.0
SSW	0.0	1.0	0.4									0.0	2.0
SW	0.0	1.0	0.3									0.0	2.0
WSW	0.0	0.3	0.3									0.0	2.0
W	0.0	0.3	0.6	0.3								0.0	2.0
WNW	1.0	0.0										0.0	2.0
NW	1.0											0.0	2.0
NNW	0.0	0.3										0.0	2.0
VARBL												0.0	2.0
CALA												0.0	2.0
	3.0	10.1	10.0	1.0								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC YEARS 1966-67 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 07

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0											0.0	2.0
NNE													
NE													
ENE	0.0												
E	1.0											1.0	2.0
ESE	0.0	1.0	0.0									0.0	2.0
SE	1.0	2.0	1.0	0.0								4.0	7.4
SSE	1.0	2.0	1.0	0.0	0.0							4.0	6.0
S	1.0	0.0	1.0									5.0	6.0
SSW	0.0	0.0	0.0									0.0	1.0
SW	0.0	0.0	0.0									0.0	1.0
WSW	0.0	0.0	0.0									0.0	1.0
W	0.0	0.0	0.0									0.0	1.0
WNW	0.0	0.0	0.0									0.0	1.0
NW	0.0	0.0	0.0									0.0	1.0
NNW	0.0	0.0	0.0									0.0	1.0
VARBL													
CALM												10.0	
	3.0	3.0	1.0	0.0	0.0							10.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME STATION 14 JULY, 1964 YEARS 1964 MONTH JULY
CLASS ALL WEATHER HOURS (L.S.T.) 17

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.7	2.5
NNE													
NE		.										.	4.0
ENE													
E													
ESE	1.0	.0	1.0									.3	3.0
SE	.0	1.0	1.0	.0	.3							2.0	4.9
SSE	.0	1.0	1.0	1.0	.0							3.0	7.6
S	.0	1.0	.0	.0	.0							4.0	7.6
SSW	.0	1.0	.0									3.0	7.3
SW	1.0	3.0	1.0	.0								5.0	5.1
WSW	.0	.0	1.0									7.0	5.0
W	3.0	1.0	4.0	.0								13.0	5.0
WNW	.0	1.0	.0									10.0	4.9
NW	1.0	4.0	.0									17.0	4.3
NNW	.0	1.0	.0									6.0	4.3
VAERL												2.0	4.0
CALM												.0	
	21.0	55.0	15.0	2.0	1.0							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME NAVY ILLINOIS, ILL YEARS 1950 MONTH JUL

CLASS ALL DATA HOURS (L.S.T.) 12

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		•										•	5.0
NNE													
NE													
ENE													
E			•									•	10.0
ESE	•	•	•									•	4.3
SE	•	•	•	•	•							•	7.6
SSE	•	•	•	•	•							•	7.3
S	•	•	•	•	•							•	11.3
SSW	•	•	•									•	3.0
SW	•	•	•	•								•	6.9
WSW	•	•	•	•								•	5.7
W	•	•	•	•								•	5.8
WNW	•	•	•									•	4.7
NW	•	•	•									•	4.0
NNW	•	•	•									•	4.2
VARBL													
CALM													
	1.0	5.0	27.0	2.0	1.7							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: WILKESVILLE, NC MONTH: JUL
STATION: 1225 YEARS: 1960
CLASS: ALL MONTH: 16
HOURS (L.S.T.): 16

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	10.1	15.5	22.3	7.5	6.6							10.7	5.5

TOTAL NUMBER OF OBSERVATIONS

31

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME JOSEPH ILLI, GA YEARS 1951-52 MONTH JUL

CLASS ALL WEATHER HOURS (L.S.T.) 12

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		•										•	6.0
NNE													
NE			•									•3	7.0
ENE													
E		•										•	5.0
ESE	•	•										•	5.0
SE			•	•								1.0	11.0
SSE	•		•	•								1.0	5.0
S	•	•	•									1.0	4.0
SSW	1.0											1.0	3.0
SW	2.0	2.0	2.0	•								11.0	5.0
WSW	3.0	3.0	3.0	•								16.0	4.0
W	1.0	1.0	4.0	•								34.0	4.0
WNW	•	2.0										11.0	3.0
NW	•	2.0										6.0	2.0
NNW	•	1.0										1.0	2.0
VARBL													
CALM												•4	
	40.0	15.0	17.0	2.0								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1950 MONTH JUL

CLASS ALL WEATHER HOURS (L.S.T.) 22

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0										1.0	2.0
NNE													
NE	0											0	2.0
ENE	0											1.0	2.0
E	0											2.0	2.0
ESE	1.0	0										1.0	2.0
SE	0			1.0	0							2.0	11.0
SSE	0	0										0	4.0
S	1.0	1.0	0									0.3	3.6
SSW	0	0										0	2.6
SW	0	0	1.0									10.0	4.2
WSW	0	0	0	0								17.0	5.1
W	1.0	0	1.0	1.0	0							17.0	4.0
WNW	1.0	1.0	0	0								3.0	4.6
NW	0											1.0	2.0
NNW	0	0										0	3.6
VARBL													
CALM												1.0	
	2.0	2.0	2.0	4.0	0							10.0	3.0

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1950-1951 MONTH JUL
 CLASS ALL HOURS (LST) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: STATION NAME YEARS: 1957 MONTH: 01
CLASS: ALL HOURS (L.S.T.): 01

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	20.0	24.0	7.0	1.0	0.3							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

21

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ STATION _____ YEARS _____ NORTH _____

CLASS _____ HOURS (L S T) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	1.0
NNE													
NE													
ENE													
E												1.0	2.7
ESE												3.0	7.1
SE												4.0	3.0
SSE												4.0	2.6
S												3.0	3.6
SSW												2.0	3.0
SW												7.0	3.0
WSW												14.0	4.5
W												10.0	4.5
WNW												7.0	4.4
NW												1.0	3.7
NNW												1.0	4.0
VARBL												1.0	1.0
CALM												71.0	
	10.0	10.0	9.7	9.7								10.0	2.7

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEAR: 1957 MONTH: 12
CLASS: ALL DATA HOURS (L.S.T.): 17

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0											0	1.0
NNE													
NE													
ENE	0												
E	0	0	0									0	0.0
ESE	0	0	0									0	0.0
SE	0	0	0	0								0	0.0
SSE	0	0	0	0	0							0	0.0
S	0	0	0	0	0							0	0.0
SSW	0	0	0									0	0.0
SW	0	0	0									0	0.0
WSW	0	0	0									0	0.0
W	0	0	0									0	0.0
WNW	0	0	0									0	0.0
NW	0	0	0									0	0.0
NNW	0	0	0									0	0.0
VARBL													
CALM													
	0	0	0	0	0	0	0	0	0	0	0	0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (L.S.T.) _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•											•	2.0
NNE													
NE													
ENE													
E	•	•	•									1.0	5.0
ESE		1.0										1.0	6.0
SE	•	2.0	2.0									4.0	6.0
SSE	1.0	2.0	2.0	1.0	•							10.0	7.0
S	•	2.0	1.0	•								1.0	6.0
SSW	1.0	1.0										2.0	3.0
SW	1.0	1.0	1.0									4.0	5.0
WSW	1.0	2.0	3.0									13.0	5.0
W	•	1.0	2.0									11.0	4.0
WNW	•	•	•	•								10.0	3.0
NW	•	•	•									6.0	3.0
NNW	•	•	•									5.0	3.0
VARBL													
CALM													
	•	12.0	14.0	2.0	•							10.0	4.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
4	ASHEVILLE, NC	1950-1951	1
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		0										0	0.0
NNE													
NE													
ENE		0										0	0.0
E		0	0									0	0.0
ESE	0	10	0									10	0.0
SE	0	10	10									30	0.7
SSE	0	20	20	10								60	0.0
S		20	0	0	0							0	7.0
SSW		10										10	0.0
SW	0	10	10									20	0.0
WSW	10	20	20									70	0.0
W	0	10	10	0								30	0.0
WNW	0	20	20	0								40	0.0
NW	0	0	10									10	0.0
NNW	10	20	0									40	0.0
VARBL													
CALM												0	
	10	10	20	0	0							10	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC MONTH 14 YEAR 14

CLASS ALL WEATHER HOURS (L.S.T.) 14

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	1	1	1	1	1	1	1	1	1	1	1	1	1
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	11.3	54.5	17.4	2.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	10.0	5.2

TOTAL NUMBER OF OBSERVATIONS

71

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME NAVY FLIGHT YEARS 19 MONTH 10

CLASS ALL DATA HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0										1.3	2.4
NNE	0.0											0.0	2.0
NE	0.0											0.0	2.0
ENE	0.0											0.0	2.0
E	0.0											0.0	2.0
ESE	0.0			0.0								1.0	3.3
SE	0.0	1.0	0.0	0.0								3.0	5.6
SSE	0.0	0.0	1.0	1.0								3.0	7.3
S	1.0	0.0	0.0									1.0	5.5
SSW	0.0	1.0	0.0									2.0	3.6
SW	0.0	0.0	0.0									0.0	0.0
WSW	0.0	0.0	0.0									1.0	4.4
W	1.0	0.0	0.0	1.0								2.0	4.0
WNW	0.0	1.0	0.0	0.0								7.7	3.0
NW	0.0	0.0	0.0									4.5	2.6
NNW	0.0	0.0										2.0	2.3
VARBL												2.0	
CALM													
	41.0	21.0	11.0	2.0								100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME STATION 11A YEAR 1957 MONTH 10

CLASS ALL SEAS HOURS (L.S.T.) 20

CONDITION _____

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	10.3	17.1	17.0	1.0								10.7	2.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ROCKY ISLAND, NC YEAR 1957 MONTH ALL
 CLASS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	2.0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	2.0
NE	0	0	0	0	0	0	0	0	0	0	0	0	2.0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	2.0
E	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
ESE	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
SE	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
SSE	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
S	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
SSW	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
SW	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
WSW	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
W	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
WNW	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
NW	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
NNW	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	2.0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	2.0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	2.0
	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	3.7

TOTAL NUMBER OF OBSERVATIONS

2400

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC MONTH: NOV YEAR: 1960
STATION: 4 MONTH: NOV YEAR: 1960
CLAS: ALL HOURS (L.S.T.): 21

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	2.0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	2.0
NE	0	0	0	0	0	0	0	0	0	0	0	0	2.0
ENE	1.0	0	0	0	0	0	0	0	0	0	0	0	2.0
E	1.0	2.0	0	0	0	0	0	0	0	0	0	0	2.0
ESE	0	2.0	1.0	0	0	0	0	0	0	0	0	0	2.0
SE	0	0	0	1.0	0	0	0	0	0	0	0	0	2.0
SSE	0	0	1.0	0	0	0	0	0	0	0	0	0	2.0
S	1.0	0	0	0	0	0	0	0	0	0	0	0	2.0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	2.0
SW	1.0	1.0	0	0	0	0	0	0	0	0	0	0	2.0
WSW	1.0	1.0	0	0	0	0	0	0	0	0	0	0	2.0
W	0	0	0	0	0	0	0	0	0	0	0	0	2.0
WNW	1.0	0	0	0	0	0	0	0	0	0	0	0	2.0
NW	0	0	0	0	0	0	0	0	0	0	0	0	2.0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	2.0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	2.0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	2.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0

TOTAL NUMBER OF OBSERVATIONS

710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEARS 1950 MONTH NOV

STATION 4 7225 24506 04 23

CLAS ALL HOURS (L S T) 24

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0											1.0	1.3
NNE													
NE													
ENE	1.0											1.0	2.6
E	.0	7.0	.0									7.0	2.0
ESE	.0	7.0	.0	.0								12.0	3.1
SE	2.0	2.0	2.0	1.0	.0							8.0	6.3
SSE	1.0	1.0	.0	.0	.0							7.0	6.1
S	1.0											1.0	1.4
SSW	.0	.0										.0	2.0
SW	.0	1.0	.0									3.0	1.0
WSW	2.0	1.0	.0									4.0	1.6
W	1.0	1.0	1.0	.0								7.0	6.6
WNW	1.0			.0								1.0	4.0
NW	1.0	.0	.0									3.0	4.2
NNW	.0	.0										.0	3.0
VARBL													
CALM												2.0	
	5.0	17.0	6.0	1.0	1.0							19.0	2.4

TOTAL NUMBER OF OBSERVATIONS

192

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: LA 1 YEAR: 1977 MONTH: 7

CLASS: LL HOURS (L.S.T.): 17

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0											0	1.0
NNE	0											0	1.0
NE	0												
ENE	0	0										1.0	2.0
E	0	0	0									1.0	3.0
ESE	0	1.0	1.0	0								1.0	3.0
SE	4.0	0	0	1.0	0							1.0	3.0
SSE	0	0	1.0	0								1.0	3.0
S	0	1.0	0									1.0	3.0
SSW	1.0	0										1.0	3.0
SW	0	1.0	0									1.0	3.0
WSW	0	1.0	0									1.0	3.0
W	0	1.0	0									1.0	3.0
WNW	0	0	0	0								1.0	3.0
NW	0			0								1.0	3.0
NNW	0	0										1.0	3.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0							1.0	2.7

TOTAL NUMBER OF OBSERVATIONS

109

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		•	•									1.0	1.0
NNE													
NE													
ENE	•											•	2.0
E	•	1.0										1.0	4.0
ESE	•	1.0	1.0									1.0	3.0
SE	•	•	•	1.0		•						7.0	8.7
SSE	•	1.0	•	1.0	•							12.0	4.6
S	•	1.0	•	•	•							5.0	4.0
SSW	•	1.0	•									1.0	3.0
SW	•	1.0	•									•	5.0
WSW	•	4.0	1.0									7.0	4.7
W	•	•	•									10.0	3.7
WNW	•	11.0	•	•								17.0	4.0
NW	•	4.0										10.0	3.0
NNW	•	1.0										4.0	3.0
VARB													
CALM												4.0	
	10.0	44.0	11.0	1.0	1.0	•						10.0	3.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LA YEARS 19 MONTH 1

CLASS LL HOURS (L.S.T.) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0.7
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0.7
NE	0	0	0	0	0	0	0	0	0	0	0	0	0.7
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0.7
E	0	0	0	0	0	0	0	0	0	0	0	0	0.7
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0.7
SE	0	0	0	0	0	0	0	0	0	0	0	0	0.7
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0.7
S	0	0	0	0	0	0	0	0	0	0	0	0	0.7
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0.7
SW	0	0	0	0	0	0	0	0	0	0	0	0	0.7
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0.7
W	0	0	0	0	0	0	0	0	0	0	0	0	0.7
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0.7
NW	0	0	0	0	0	0	0	0	0	0	0	0	0.7
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0.7
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0.7
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0.7
	0	0	0	0	0	0	0	0	0	0	0	0	0.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	2.7
NNE													
NE													
ENE													
E	1.0	1.0										2.0	6.0
ESE	1.0	1.0	1.0	1.0	1.0							5.0	7.0
SE	1.0	1.0	1.0	1.0	1.0							5.0	7.0
SSE	1.0	1.0	1.0	1.0	1.0							5.0	7.0
S	1.0	1.0	1.0	1.0	1.0							5.0	7.0
SSW	1.0	1.0	1.0	1.0	1.0							5.0	7.0
SW	1.0	1.0	1.0	1.0	1.0							5.0	7.0
WSW	1.0	1.0	1.0	1.0	1.0							5.0	7.0
W	1.0	1.0	1.0	1.0	1.0							5.0	7.0
WNW	1.0	1.0	1.0	1.0	1.0							5.0	7.0
NW	1.0	1.0	1.0	1.0	1.0							5.0	7.0
NNW	1.0	1.0	1.0	1.0	1.0							5.0	7.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0							1.0	2.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•										1.0	2.0
NNE	•	•										1.0	2.0
NE													
ENE	•											1.0	2.0
E	•	•	•									4.0	4.0
ESE	•	•	•	•								1.0	4.5
SE	•	•	•	•	•							3.0	5.0
SSE	•	•	•	•	•							1.0	4.0
S	•											1.0	2.0
SSW	•											1.0	3.0
SW	•	•	•	•								1.0	4.0
WSW	•	•	•	•								1.0	4.0
W	•	•	•	•								1.0	2.0
WNW	•	•	•									1.0	2.0
NW	•											1.0	2.0
NNW	•	•										1.0	2.0
VARBL													
CALM													
	4.0	1.0	7.0	1.0	1.0							10.0	2.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE MONTH: 12
STATION: 1225 YEARS: 1961
CLASS: ALL HOURS (L.S.T.): 1200
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	30.0	12.7	10.7	7.7	0.7							42.0	2.4

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ARMY AIRPORT, AS YEARS 1950 MONTH ALL
 CLASS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0	0									1.0	2.0
NNE	0	0										0	2.0
NE													
ENE	0	0										1.0	3.0
E	0	0	0									0	3.0
ESE	0	0	0	0								0	3.0
SE	0	0	0	0	0	0						0	3.0
SSE	0	0	0	0	0	0						0	3.0
S	0	0	0	0	0	0						0	3.0
SSW	0	0	0									0	3.0
SW	0	0	0	0								0	3.0
WSW	0	0	0	0	0							0	3.0
W	0	0	0	0	0	0						0	3.0
WNW	0	0	0	0	0	0						0	3.0
NW	0	0	0	0	0	0						0	3.0
NNW	0	0	0									0	3.0
VARBL													
CALM												0	
	31.0	76.0	9.0	4.0	1.0	0						10.0	3.0

TOTAL NUMBER OF OBSERVATIONS

2009

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ROBERTS FIELD, NC STATION NUMBER: 7225 MONTH: 1 YEAR: 1952
CLASS: ALL WEATHER HOURS (L.S.T.): 24

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0										1.0	2.6
NNE	0											0	1.0
NE													
ENE	0											0	2.0
E	1.0	1.0	1.0									1.0	2.7
ESE	0	0	0	1.0		0						1.0	4.4
SE	0	1.0	0	1.0	1.0	0						1.0	7.4
SSE	1.0	1.0	0	0	1.0	0						1.0	10.2
S	1.0	0	0	0	0	0						0	0.4
SSW													
SW	0	1.0										1.0	3.6
WSW	0	0	0	0								1.0	6.6
W	0	0	0	0								0	7.3
WNW	0	1.0	0	0								0	7.1
NW	0	0	0									1.0	4.4
NNW	0											0	2.0
VARBL													
CALM												0	
	12.0	16.0	10.0	1.0	2.0	1.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE YEARS: 1967 MONTH: 7

CLASS: LL HOURS (L.S.T.): 7.0

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.3
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEAR: 1960 MONTH: 10
CLASS: ALL HOURS (L.S.T.): 0000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.3
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEAR: 1957 MONTH: 10
 CLASS: ALL HOURS (L.S.T.): 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	0									2.3	4.0
NNE	0											0	2.0
NE	0	0										0	4.0
ENE	0											0	1.0
E	1.0	1.0	0									4.0	3.0
ESE	0	0	0	0								11.0	4.1
SE	1.0	3.0	0	0	1.0	1.0						12.1	9.9
SSE	1.0	4.0	0	0	1.0	1.0						15.0	10.2
S	0	2.0	0	1.0	0.3							6.0	8.7
SSW	0			0								0	7.0
SW	0	0	0	0								1.0	4.0
WSW	0	1.0	0	0								2.0	5.0
W	0	2.0	1.0	0	0	0						7.0	6.0
WNW	0	2.0	0	0								0.1	3.1
NW	0	0	0	0								7.0	4.0
NNW	0	1.0	1.0	0								4.0	5.0
VARBL													
CALM												0	
	27.3	16.4	14.0	11.6	7.9	2.0						10.0	5.9

TOTAL NUMBER OF OBSERVATIONS

31

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: STATION 11111111 YEAR: 1950 MONTH: 17
HOURS (L.S.T.): 17

ALL READING

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	•	•	1.0									2.0	7.4
NNE	•											•	1.0
NE	•	•										•	•
ENE													
E		1.0	•									1.0	6.2
ESE	•	1.0	1.0									4.0	4.3
SE	1.0	1.0	7.0	2.0	1.0							10.0	10.4
SSE	1.0	1.0	7.0	4.0	1.0	1.0						12.0	12.6
S	1.0	2.0	2.0	2.0	1.0							9.0	9.6
SSW	•	•	•									1.0	5.3
SW	1.0	1.0	•									1.0	3.7
WSW	•	2.0	2.0									5.0	5.6
W	•	4.0	1.0	1.0								11.0	5.2
WNW	•	3.0	1.0	•								15.0	4.9
NW	•	7.0	1.0	•								12.0	4.2
NNW	•	4.0	1.0	•								7.0	5.1
VARBL													
CALM												2.0	
	20.0	37.0	21.0	11.0	3.0	1.0						10.0	6.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: STATION 3100 YEARS: 1957 NORTH: 10°

CLASS: ALL HOURS (L.S.T.): 14

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									3.0	4.1
NNE	1.0	1.0	1.0									3.0	3.0
NE	1.0	1.0	1.0									3.0	3.0
ENE	1.0	1.0	1.0									3.0	4.0
E	1.0	1.0	1.0									3.0	4.0
ESE	1.0	1.0	1.0									3.0	4.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0	9.1
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.7	11.4
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.6	3.7
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.7	12.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.7	4.7
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	4.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	14.0	4.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	3.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	4.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	4.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.0	4.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	
	10.0	32.0	17.0	9.7	1.0	1.0						10.0	4.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME COBBLE HILL, NC YEARS 1967 MONTH 10
 CLASS LL HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0										2.0	3.4
NNE	1.0											1.0	1.0
NE	1.0											1.0	1.0
ENE	1.0											1.0	1.0
E	1.0	1.0	1.0									7.0	2.0
ESE	1.0	1.0	1.0	1.0								11.0	3.0
SE	1.0	1.0	1.0	1.0	1.0							11.0	5.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0						7.0	12.0
S	1.0	1.0	1.0	1.0	1.0	1.0						3.0	1.0
SSW	1.0	1.0	1.0									1.0	2.0
SW	1.0	1.0	1.0									1.0	4.0
WSW	1.0	1.0	1.0									1.0	3.0
W	1.0	1.0	1.0	1.0								7.0	7.0
WNW	1.0	1.0	1.0	1.0								1.0	8.0
NW	1.0	1.0	1.0	1.0								3.0	5.0
NNW	1.0	1.0	1.0	1.0								3.0	4.0
VARB													
CALM												76.0	
	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	4.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEARS 1955 MONTH 10
 CLASS ALL HOURS (L.S.T.) 00

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.												
NNE													
NE													
ENE	.												
E	1.0	3.0	3.0	3.0									
ESE	1.0	4.0	3.0	3.0									
SE	1.0	1.0	1.0	1.0									
SSE	1.0	1.0	2.0	1.0	1.0	1.0							
S	1.0	1.0	1.0	1.0									
SSW													
SW	.		.										
WSW	.	1.0	.										
W	.	1.0	.	.	.								
WNW	.	1.0	2.0	.	.								
NW	.		.										
NNW	.												
VARBL													
CALM													
	21.0	16.0	11.0	10.0	7.0	1.0	1.0					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC MONTH ALL
STATION NAME ASHEVILLE, NC YEARS ALL
CLASS ALL
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALA	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE YEAR: 1957 MONTH: 01

CLASS: 01 HOURS (L.S.T.): 01

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS: 100

SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	MONTH
			HOURS (L.S.T.)
		CLASS	
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.									1.1	1.6
NNE	1.0	.										1.0	2.4
NE	.											1.0	2.0
ENE	1.0	.										1.0	2.0
E	.	.	1.0									1.0	2.0
ESE	1.0	.	1.0	.	.							1.0	2.0
SE	.	.	1.0	1.0	1.0							1.0	2.0
SSE	.	1.0	1.0	1.0	1.0	.						1.0	2.0
S	1.0	.	1.0	1.0								1.0	2.0
SSW	.		.									1.0	2.0
SW	.											1.0	2.0
WSW	.		.		1.0							1.0	2.0
W	.			.	1.0							1.0	2.0
WNW				.	.							1.0	2.0
NW			.									1.0	2.0
NNW			.									1.0	2.0
VARBL												1.0	2.0
CALM	2.0	1.0	1.0	1.0	1.0	.						1.0	2.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1950 MONTH 7
 CLASS LL HOURS (L.S.T.) 1200

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	1	0								2.7	7.0
NNE	1											1.0	1.0
NE	1	0										1.7	3.0
ENE	1	0	0	0								2.7	3.4
E	2	0	0	0								1.0	4.1
ESE	2	0	0	0								2.7	5.6
SE	4	0	0	4	1	0						17.3	8.3
SSE	0	1	0	0	2	0						10.0	12.3
S	0	1	1	1	0							7.0	8.9
SSW													
SW		0										0.7	1.0
WSW		0										0.7	4.0
W	0		0	1	0	0						2.3	10.0
WNW	0		0	1								3.0	10.0
NW													
NNW	1											1.0	1.7
VARBL													
CALM												14.0	
	2	2	1	1	3	1						10.0	6.2

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE YEARS: 1967 MONTH: 1
CLASS: 11-15 HOURS (L.S.T.): 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	1.0	1.0	0.7								3.7	6.3
NNE	0.7	0.7	0.7									1.0	1.0
NE	0.7	0.7	0.7									1.0	2.3
ENE	1.0	0.7	0.7									1.7	2.0
E	0.7	1.0	1.0									10.7	4.4
ESE	0.7	1.0	0.7	1.7								11.0	1.0
SE	0.7	4.0	0.7	0.7	1.7	0.7						19.7	10.1
SSE	1.0	1.0	7.7	0.7	1.7	0.7						17.7	11.0
S	0.7	0.7	0.7	1.7	0.7							9.7	10.0
SSW													
SW		0.7	0.7	0.7								0.7	4.0
WSW		0.7	0.7	0.7								1.0	10.0
W	1.0	0.7	0.7	1.7	1.0							0.7	10.0
WNW	0.7	0.7	0.7									1.0	5.0
NW	1.0	0.7	0.7									0.7	4.7
NNW	1.0	0.7	0.7	0.7								0.7	4.4
VARBL													
CALM												9.7	
	1.0	0.7	21.0	17.7	0.7	1.0						10.0	7.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEAR 1950 MONTH 12
CLASS ALL HOURS (L.S.T.) 12

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.7	1.0	0								3.3	6.0
NNE	0	0										1.7	3.3
NE	0		0									0	10.0
ENE	0	0	0									1.7	4.0
E	0	0	0	0								0	4.0
ESE	0	0	0	1.7	0							10.7	6.3
SE	1.7	1.7	4.0	4.0	0	0						14.7	10.0
SSE	0	1.7	3.7	4.0	0	1.7						10.0	10.1
S	0	0	1.7	1.7	1.7	1.7						0	14.4
SSW	0											0	3.0
SW	0	0	1.7									0	4.0
WSW	0	0	1.7	0								2.3	7.1
W	1.7	0	1.7	2.3	1.7	0						6.7	11.6
WNW	0	1.7		0								0	4.5
NW	0	0	0									4.0	4.0
NNW	0	0	1.7	1.7								3.3	10.1
VARBL													
CALM												4.0	
	10.7	14.0	21.0	10.3	6.0	1.7						10.0	6.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1961 MONTH: 11
STATION: 1125 HOURS (L.S.T.): 17

CLASS: ALL DATA

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	24.0	17.0	17.7	9.0	2.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

30

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: STATION 1 YEARS: 1969 MONTH: 1

CLASS: ILLUSTRATIVE HOURS (L.S.T.): 1

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.7	1.0	0.7									3.0	4.0
NNE	0.7	0.7	0.7									1.7	4.0
NE	1.0											1.7	1.0
ENE	0.7	0.7										1.7	3.0
E	0.7	0.7	1.0									13.7	4.1
ESE	0.7	0.7	0.7	0.7								19.0	5.0
SE	0.7	0.7	0.7	0.7	1.7	0.7						15.0	9.6
SSE	0.7	1.0	0.7	0.7	0.7							13.7	12.3
S	0.7	0.7	1.0	0.7	0.7							3.0	0.6
SSW													
SW			0.7	0.7								0.7	5.0
WSW		0.7	0.7	0.7								1.7	7.0
W		1.0	0.7	0.7	1.0							0.7	10.0
WNW	0.7		0.7	0.7								1.7	9.6
NW	0.7	0.7	0.7	0.7								1.7	7.0
NNW		0.7										0.7	0.6
VARBL													
CALM												10.0	0.0
	0.7	0.7	1.0	1.0	0.7	0.7						10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1959
MONTH ALL
HOURS (L.S.T.) ALL

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	0	0.2								1.0	5.2
NNE	1.0	0.0	0.0									1.0	3.5
NE	0	0.1	0									0	2.6
ENE	1.1	0.2	0.1									1.0	3.1
E	5.6	5.3	1.6	0								15.1	4.2
ESE	0.0	7.0	0.1	1.3	0.2	0						15.6	7.6
SE	0.0	2.7	3.6	5.2	1.1	0.4						16.0	9.6
SSE	0.0	1.0	2.6	5.0	2.5	0.7		0				13.0	17.9
S	0.0	0.0	1.3	1.0	0.4	0						4.0	0.9
SSW	0.0	0.1	0.1	0								0	0.0
SW	0.0	0.0	0.1									0	0.0
WSW	0.1	0.4	0.0	0.2								1.1	7.6
W	0.2	0	0.7	1.4	0.2	0						4.5	11.4
WNW	0.2	0.0	0.0	0.0	0.1							2.4	7.8
NW	0.0	0.1	0.0	0.2								1.0	0.2
NNW	1.0	0.2	0.0	0.2								2.3	5.1
VARBL													
CALM												14.1	
	22.0	29.0	17.0	16.3	5.2	1.0		0				10.0	6.6

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME
STATION
CLASS
YEAR
MONTH
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0		0								1.0	3.0
NNE	0											1.0	2.0
NE	0		0									0	4.0
ENE	0	0	0									1.0	4.0
E	0	0	1.0									15.0	4.0
ESE	0	0	0	1.0								17.0	6.0
SE	0	0	0	0	1.0	1.0						17.0	10.0
SSE	0	1.0	0	0	1.0	0						11.0	11.0
S	0	1.0	0	0	0	0						3.0	12.0
SSW	0	0										0	4.0
SW	0	0	0	0								1.0	7.0
WSW	0	0	0									0	7.0
W	0	0	1.0	1.0	1.0	1.0						1.0	10.0
WNW	0	0	0	1.0								2.0	10.0
NW	0	0	0	0	0							1.0	10.0
NNW	0	0	0									0	0
VARBL													
CALM												10.0	
	1.0	0.0	1.0	1.0	0.0	0.0						10.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1950-1951 MONTH: DEC

CLASS: ALL HOURS (L.S.T.): 00

CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
4	444444	1972	12
CLASS		HOURS (L.S.T.)	
ALL		12	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									1.0	4.0
NNE	1.0	1.0	1.0									1.0	7.0
NE	1.0	1.0	1.0									1.0	2.0
ENE	1.0	1.0	1.0									1.0	1.4
E	1.0	1.0	1.0									1.0	6.1
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SF	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME LAKE LOSTAUGH MONTH 1
 STATION LAKE LOSTAUGH YEARS 1962
 CLASS SL HOURS (L S T) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•								1.0	1.1
NNE	•	•	•		•							1.0	1.0
NE	•	•	•									1.0	4.0
ENE	•	•	•									1.0	3.0
E	•	•	•	•								1.0	4.0
ESE	•	•	•	•								1.0	1.0
SE	•	•	•	•	•	•	•					1.0	1.0
SSE	•	•	•	•	•	•						1.0	1.0
S	•	•	•	•	•	•						1.0	1.0
SSW	•											•	2.0
SW													
WSW				•	•							1.0	1.0
W	•	•	•	•	•	•						1.0	1.0
WNW	•	•	•	•	•							1.0	1.0
NW	•			•								•	1.0
NNW		•	•	•								1.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7.7

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE ILLINOIS YEARS 1950-1951 NORTH 1°
CLASS ALL HOURS (L.S.T.) 17

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE MONTH: 10 YEAR: 19

CLASS: 11-17 HOURS (L.S.T.): 10

CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	1.0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4 STATION NAME 4 YEARS 19 MONTH 10

CLASS 10 HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	•									1.0	4.0
NNE	•	•										1.0	2.0
NE	•	•	•									•	•
ENE	•	•	1.0									1.0	1.0
E	•	•	1.0	•								1.0	1.0
ESE	•	•	5.0	•	•							1.0	5.0
SE	•	•	•	•	•	•	•					1.0	11.0
SSE	•	1.0	1.0	4.0	1.0	1.0	•					1.0	12.0
S	•	•	1.0	•								•	•
SSW	•	•	•									•	•
SW	•	•	•	•								•	•
WSW	•	•	•	•								1.0	1.0
W	•	•	1.0	1.0	1.0	•						1.0	14.0
WNW	•	1.0	•	1.0	•	•						•	16.0
NW	•	•	•									•	4.0
NNW	•	•	•									1.0	•
VARBL													
CALM												1.0	•

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1957 MONTH 10

CLASS 11-16 HOURS (L.S.T.) 1000

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												1.7	7.1
NNE	1.0											1.7	3.0
NE	1.0	1.0										1.0	2.0
ENE		1.0										1.7	4.0
E	1.0	3.0	1.0									13.0	9.1
ESE	1.0	7.0	1.0	1.0								11.0	1.4
SE	1.0	1.0	4.0	5.0	2.0							12.0	11.1
SSE	1.0	1.0	1.0	3.0	2.0							10.0	12.0
S	1.0	1.0	1.0	1.0	1.0							3.0	15.0
SSW													
SW			1.0	1.0								1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0							1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0						1.0	14.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	11.0
NW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
VARBL													
CALM													
	17.0	10.1	16.0	11.1	10.1	1.0	1.0					110.0	7.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: ALL
STATION: 4 CLASS: LL-5627 HOURS (L'S T.): ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

247

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1961 MONTH ALL
 CLASS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	1.0	4.7
NNE	0	0	0	0	0	0	0	0	0	0	0	0	3.2
NE	0	0	0	0	0	0	0	0	0	0	0	0	3.2
ENE	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
E	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
ESE	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
SE	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
SSE	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
S	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
SSW	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
SW	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
WSW	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
W	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
WNW	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
NW	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
NNW	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
VARBL	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
CALM	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3
	0	0	0	0	0	0	0	0	0	0	0	1.0	3.3

TOTAL NUMBER OF OBSERVATIONS

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

DATE	MONTH	HOURS (L.S.T.)
11/1		
11/2		
11/3		
11/4		
11/5		
11/6		
11/7		
11/8		
11/9		
11/10		
11/11		
11/12		
11/13		
11/14		
11/15		
11/16		
11/17		
11/18		
11/19		
11/20		
11/21		
11/22		
11/23		
11/24		
11/25		
11/26		
11/27		
11/28		
11/29		
11/30		

YEARS

STATION NAME

1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1

MOORE (L.S.) SNOW

	CLASS	CONDITION
67-089 TO 1-	PV/VGVY 1/2 W/O MO.	
67-089 TO 1-	PV/VGVY 1/2 W/O MO.	

[illegible]

TOTAL NUMBER OF OBSERVATIONS

SMS

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING											
≥ 1800											
≥ 1500					91.0						92.6
≥ 1200											
≥ 1000											
≥ 900											
≥ 800											
≥ 700											
≥ 600											
≥ 500										97.4	98.1
≥ 400											
≥ 300											
≥ 200											
≥ 100											
0					95.4		96.9		98.3		100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY TOTAL

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURLY (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEAR _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MOORE (LST) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
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1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
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600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
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700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN/MET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
AI 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
AI 5000													
AI 4500													
AI 4000													
AI 3500													
AI 3000													
AI 2500													
AI 2000													
AI 1800													
AI 1500													
AI 1200													
AI 1000													
AI 900													
AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
AI 0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ MONTH _____ YEARS _____

HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
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800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
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1800												
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1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
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500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
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2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000														
18000 AI AI														
16000 AI AI														
14000 AI AI														
12000 AI AI														
10000 AI AI														
9000 AI AI														
8000 AI AI														
7000 AI AI														
6000 AI AI														
5000 AI AI														
4500 AI AI														
4000 AI AI														
3500 AI AI														
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2500 AI AI														
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1800 AI AI														
1500 AI AI														
1200 AI AI														
1000 AI AI														
900 AI AI														
800 AI AI														
700 AI AI														
600 AI AI														
500 AI AI														
400 AI AI														
300 AI AI														
200 AI AI														
100 AI AI														
0 AI AI														

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
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1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

1225

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
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700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN/NET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YEARS

MONTH

HOURS (L S Y)

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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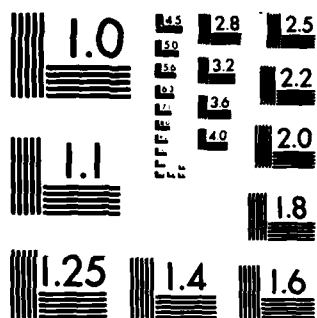
TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET SMO

3/4

NL

A 10x10 grid of squares, with the top-left square missing, forming a 9x10 grid of squares.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

- 7

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	7.7	24.6	27.4	24.6	23.4	25.6	21.3	19.6	17.7	15.0	13.1	11.1	9.6	7.4
AI AI	1.0	7.6	27.4	21.4	23.4	7.7	27.7	19.7	17.7	15.0	13.1	11.1	9.6	7.4
AI 18000														
AI 16000														
AI 14000														
AI 12000														
AI 10000														
AI 9000														
AI 8000														
AI 7000														
AI 6000														
AI 5000														
AI 4500														
AI 4000														
AI 3500														
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AI 900														
AI 800														
AI 700														
AI 600														
AI 500														
AI 400														
AI 300														
AI 200														
AI 100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOORE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 18000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 16000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 14000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 12000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 900	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 700	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 600	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 400	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 300	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 100	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	1.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥ 20000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
18000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
9000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
8000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
7000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
6000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
5000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
900	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
700	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
600	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
400	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
300	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
100	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION
YEAR
MONTH
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 20000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥ 18000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 16000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 14000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 12000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 10000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 9000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 8000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 7000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 6000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 5000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 4500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 4000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 3500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 3000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 2500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 2000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 1800	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 1600	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 1400	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 1200	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 1000	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 900	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 800	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 700	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 600	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 500	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 400	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 300	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 200	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
≥ 100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
0	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 18000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 16000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 14000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 12000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 10000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 9000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 8000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1800	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1200	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 900	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 800	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 700	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 600	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 400	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 300	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 200	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 100	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0

TOTAL NUMBER OF OBSERVATIONS

12

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 1225 YEARS 1957 MONTH 12 HOURS (L.S.T.) 22

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
AI 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 20000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 18000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 16000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 14000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 12000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 10000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 9000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 8000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4500	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2500	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1800	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1500	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1200	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 900	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 800	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 700	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 600	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 500	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 400	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 300	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 200	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 100	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
0	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0

TOTAL NUMBER OF OBSERVATIONS

240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MONTH
• 12

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEAS

MONTH

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**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 18000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 16000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 14000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 12000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 10000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 9000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 8000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 7000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 6000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 5000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 4500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 4000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 3500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 3000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 2500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 2000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 900	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 700	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 600	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 400	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 300	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 100	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 20000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 18000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 16000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 14000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 12000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 10000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 9000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 8000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 7000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 6000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 4500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 4000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 3500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 900	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 700	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 600	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 400	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
AI 20000												
AI 18000												
AI 16000												
AI 14000												
AI 12000												
AI 10000												
AI 9000												
AI 8000												
AI 7000												
AI 6000												
AI 5000												
AI 4500												
AI 4000												
AI 3500												
AI 3000												
AI 2500												
AI 2000												
AI 1800												
AI 1500												
AI 1200												
AI 1000												
AI 900												
AI 800												
AI 700												
AI 600												
AI 500												
AI 400												
AI 300												
AI 200												
AI 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	100	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 20000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
18000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
16000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
14000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
12000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
10000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
9000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
8000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
7000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
6000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
5000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4500	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
3500	100	100	100	100	100	100	100	100	100	100	100	100	100	100
3000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2500	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1800	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1500	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1200	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
900	100	100	100	100	100	100	100	100	100	100	100	100	100	100
800	100	100	100	100	100	100	100	100	100	100	100	100	100	100
700	100	100	100	100	100	100	100	100	100	100	100	100	100	100
600	100	100	100	100	100	100	100	100	100	100	100	100	100	100
500	100	100	100	100	100	100	100	100	100	100	100	100	100	100
400	100	100	100	100	100	100	100	100	100	100	100	100	100	100
300	100	100	100	100	100	100	100	100	100	100	100	100	100	100
200	100	100	100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
0	100	100	100	100	100	100	100	100	100	100	100	100	100	100

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 20000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 18000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 16000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 14000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 12000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 10000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 9000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 8000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 7000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 6000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 5000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 4500	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 4000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 3500	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 3000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 2500	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 2000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 1800	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 1500	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 1200	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 1000	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 900	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 800	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 700	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 600	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 500	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 400	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 300	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 200	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 100	100	100	100	100	100	100	100	100	100	100	100	100	100
0	100	100	100	100	100	100	100	100	100	100	100	100	100

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
≥ 20000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 18000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 16000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 14000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 12000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 10000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 9000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 8000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 7000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 6000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 5000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 4500	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 4000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 3500	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 3000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 2500	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 2000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 1800	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 1500	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 1200	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 1000	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 900	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 800	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 700	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 600	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 500	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 400	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 300	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 200	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 100	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
AI 0	17.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

10

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: YEARS: MONTH:

STATION: HOURS (L.S.T.):

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON

PHASE

TIME

DATE

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 20000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 18000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 16000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 14000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 12000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 10000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 9000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 8000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 7000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 6000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 5000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 4500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 4000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 3500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 3000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 2500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 2000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 900	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 700	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 600	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 400	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 300	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 100	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AI 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

12

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
18000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
9000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
8000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
7000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
6000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
5000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4500	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3500	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2500	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1800	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1500	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1200	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1000	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
900	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
800	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
700	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
600	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
500	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
400	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
300	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
200	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
100	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0	1.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 20000	0	0	0	0	0	0	0	0	0	0	0	0	0
18000	0	0	0	0	0	0	0	0	0	0	0	0	0
16000	0	0	0	0	0	0	0	0	0	0	0	0	0
14000	0	0	0	0	0	0	0	0	0	0	0	0	0
12000	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	0	0	0	0	0	0	0	0	0	0	0	0	0
9000	0	0	0	0	0	0	0	0	0	0	0	0	0
8000	0	0	0	0	0	0	0	0	0	0	0	0	0
7000	0	0	0	0	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0
900	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1	1	1	1	1	1	1	1	1	1	1	1	1
≥ 20000	1	1	1	1	1	1	1	1	1	1	1	1	1
18000	1	1	1	1	1	1	1	1	1	1	1	1	1
16000	1	1	1	1	1	1	1	1	1	1	1	1	1
14000	1	1	1	1	1	1	1	1	1	1	1	1	1
12000	1	1	1	1	1	1	1	1	1	1	1	1	1
10000	1	1	1	1	1	1	1	1	1	1	1	1	1
9000	1	1	1	1	1	1	1	1	1	1	1	1	1
8000	1	1	1	1	1	1	1	1	1	1	1	1	1
7000	1	1	1	1	1	1	1	1	1	1	1	1	1
6000	1	1	1	1	1	1	1	1	1	1	1	1	1
5000	1	1	1	1	1	1	1	1	1	1	1	1	1
4500	1	1	1	1	1	1	1	1	1	1	1	1	1
4000	1	1	1	1	1	1	1	1	1	1	1	1	1
3500	1	1	1	1	1	1	1	1	1	1	1	1	1
3000	1	1	1	1	1	1	1	1	1	1	1	1	1
2500	1	1	1	1	1	1	1	1	1	1	1	1	1
2000	1	1	1	1	1	1	1	1	1	1	1	1	1
1800	1	1	1	1	1	1	1	1	1	1	1	1	1
1500	1	1	1	1	1	1	1	1	1	1	1	1	1
1200	1	1	1	1	1	1	1	1	1	1	1	1	1
1000	1	1	1	1	1	1	1	1	1	1	1	1	1
900	1	1	1	1	1	1	1	1	1	1	1	1	1
800	1	1	1	1	1	1	1	1	1	1	1	1	1
700	1	1	1	1	1	1	1	1	1	1	1	1	1
600	1	1	1	1	1	1	1	1	1	1	1	1	1
500	1	1	1	1	1	1	1	1	1	1	1	1	1
400	1	1	1	1	1	1	1	1	1	1	1	1	1
300	1	1	1	1	1	1	1	1	1	1	1	1	1
200	1	1	1	1	1	1	1	1	1	1	1	1	1
100	1	1	1	1	1	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING ≥ 20000	0	0	0	0	0	0	0	0	0	0	0	0	0
18000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
16000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
14000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
12000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
10000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
9000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
8000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
7000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
6000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
5000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
4500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
4000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
3500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
3000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
2500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
900 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
800 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
700 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
600 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
500 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
400 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
300 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
200 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
100 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0
0 AI AI	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

YEARS

MONTH

MONTHS (L S Y)

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.
HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 20000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
18000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
16000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
14000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
12000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
9000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
8000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
6000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
4500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
4000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
3000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
900	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
700	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
600	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
400	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING ≥ 20000	7	7	7	7	7	7	7	7	7	7	7	7
18000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
16000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
14000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
12000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
10000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
9000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
8000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
7000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
6000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
5000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
4500 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
4000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
3500 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
3000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
2500 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
2000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
1800 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
1500 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
1200 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
1000 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
900 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
800 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
700 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
600 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
500 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
400 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
300 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
200 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
100 AI AI	7	7	7	7	7	7	7	7	7	7	7	7
0 AI AI	7	7	7	7	7	7	7	7	7	7	7	7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
10000														
AI AI														
9000														
AI AI														
8000														
AI AI														
7000														
AI AI														
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200														
AI AI														
100														
AI AI														
0														
AI AI														

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
≥ 20000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4500	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3500	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2500	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1800	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1500	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1200	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
900	1	1	1	1	1	1	1	1	1	1	1	1	1	1
800	1	1	1	1	1	1	1	1	1	1	1	1	1	1
700	1	1	1	1	1	1	1	1	1	1	1	1	1	1
600	1	1	1	1	1	1	1	1	1	1	1	1	1	1
500	1	1	1	1	1	1	1	1	1	1	1	1	1	1
400	1	1	1	1	1	1	1	1	1	1	1	1	1	1
300	1	1	1	1	1	1	1	1	1	1	1	1	1	1
200	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN:MET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: _____ YEAR: _____ MONTH: _____ HOURS (L S P): _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
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400														
300														
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100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN:JET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
AI 20000															
AI 18000															
AI 16000															
AI 14000															
AI 12000															
AI 10000															
AI 9000															
AI 8000															
AI 7000															
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AI 4500															
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AI 700															
AI 600															
AI 500															
AI 400															
AI 300															
AI 200															
AI 100															
AI 0															

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

HOURS (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
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100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

MOUSE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
AI AI													
18000													
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AI AI													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____
 HOURS (L S T) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
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TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
AI 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
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AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0		
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
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0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
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2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN:JET CMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
AI AI													
18000													
AI AI													
16000													
AI AI													
14000													
AI AI													
12000													
AI AI													
10000													
AI AI													
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AI AI													
300													
AI AI													
200													
AI AI													
100													
AI AI													
0													
AI AI													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
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800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

7225

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
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200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
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400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
AI AI															
18000															
AI AI															
16000															
AI AI															
14000															
AI AI															
12000															
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AI AI															
100															
AI AI															
0															
AI AI															

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

MOUSE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

MOORE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
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1800														
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1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN/MET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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700													
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500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURS (L S P)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
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500													
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300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANJMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
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200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN:JET SWOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
AI AI													
18000													
AI AI													
16000													
AI AI													
14000													
AI AI													
12000													
AI AI													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
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TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	10 AI	6 AI	5 AI	4 AI	3 AI	2½ AI	2 AI	1½ AI	1¼ AI	1 AI	¾ AI	½ AI	⅓ AI	¼ AI	0 AI
NO CEILING															
20000 AI															
18000 AI AI															
16000 AI AI															
14000 AI AI															
12000 AI AI															
10000 AI AI															
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500 AI AI															
400 AI AI															
300 AI AI															
200 AI AI															
100 AI AI															
0 AI AI															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
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100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
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100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
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100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN:NET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURE (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1000 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
900 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
800 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
700 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
600 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
500 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0 AI AI	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	AI 10	AI 6	AI 5	AI 4	AI 3	AI 2½	AI 2	AI 1½	AI 1¼	AI 1	AI ¾	AI ¾	AI ½	AI 5/16	AI ¼	AI 0
NO CEILING																
AI 20000																
AI 18000																
AI 16000																
AI 14000																
AI 12000																
AI 10000																
AI 9000																
AI 8000																
AI 7000																
AI 6000																
AI 5000																
AI 4500																
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AI 900																
AI 800																
AI 700																
AI 600																
AI 500																
AI 400																
AI 300																
AI 200																
AI 100																
AI 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN*JET SNOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
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TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEN:1ET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANDET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
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3500													
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1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
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1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

1225

1225

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
AI 20000														
AI 18000														
AI 16000														
AI 14000														
AI 12000														
AI 10000														
AI 9000														
AI 8000														
AI 7000														
AI 6000														
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AI 4500														
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AI 3500														
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AI 1500														
AI 1200														
AI 1000														
AI 900														
AI 800														
AI 700														
AI 600														
AI 500														
AI 400														
AI 300														
AI 200														
AI 100														
AI 0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
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1200													
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700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
AI 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
AI 5000													
AI 4500													
AI 4000													
AI 3500													
AI 3000													
AI 2500													
AI 2000													
AI 1800													
AI 1500													
AI 1200													
AI 1000													
AI 900													
AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
AI 0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
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4500															
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700															
600															
500															
400															
300															
200															
100															
0															

DIRNAVOCEANMET SMOS

STATION	STATION NAME	PERIOD	MONTH
2-285	MT. EY I LAND, WA	7-1-57	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9		
Jan	11.7				17.5					15.0	52.4	7.9	315
Feb	9.7				11.0					14.0	42.0	7.1	310
Mar	6.0				17.3					27.0	55.6	6.4	310
Apr	5.2				11.0					23.5	59.4	6.4	310
May	4.5				12.0					21.0	61.0	4.5	310
Jun	7.5				17.3					26.2	57.1	4.3	310
Jul	7.1				16.5					14.2	61.3	7.0	310
Aug	9.4				15.5					13.0	61.6	7.8	310
TOTALS	7.5				17.1					17.0	50.6	6.2	2400

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STATION

STATION NAME

PERIOD

MONTH

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SKY COVER

STATION	STATION NAME	PERIOD	MONTH
2-105	2-105	2-105	2-105

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
Aug	17.2				17.7						22.0	64.9	7.1	212
	4.5				13.0						22.0	53.5	6.0	210
	6.8				17.8						24.5	54.9	6.2	210
	4.7				22.0						24.6	47.4	7.7	212
	2.8				20.0						26.5	41.2	7.4	210
	5.7				22.4						30.3	36.9	7.3	212
	6.1				22.4						27.7	37.7	7.1	212
	7.7				31.2						22.6	40.6	6.8	210
TOTALS					200.0						220.1	44.6	7.5	2692

SKY COVER

STATION NAME: ILLINOIS PERIOD: MONTH:

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN.	1	17.0			12.0						17.0	42.0	7.0	7.0
	2	17.0			12.0						17.0	42.0	7.0	7.0
	3	17.0			14.3						17.0	42.0	7.0	7.0
	4	17.0			27.3						17.0	42.0	7.0	7.0
FEB.	1	17.0			28.6						17.0	42.0	7.0	7.0
	2	17.0			31.1						17.0	42.0	7.0	7.0
	3	17.0			27.3						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
MARCH	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			27.3						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
APRIL	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			26.7						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
MAY	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			26.7						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
JUNE	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			26.7						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
JULY	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			26.7						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
AUG.	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			26.7						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
SEPT.	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			26.7						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
OCT.	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			26.7						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
NOV.	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			26.7						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
DEC.	1	17.0			26.7						17.0	42.0	7.0	7.0
	2	17.0			26.7						17.0	42.0	7.0	7.0
	3	17.0			26.7						17.0	42.0	7.0	7.0
	4	17.0			26.7						17.0	42.0	7.0	7.0
TOTALS				27.0							17.0	42.0	7.0	7.0

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PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9		
2	12.0				1.0					17.7	73.7	6.6	71
3	13.0				2.0					21.0	77.0	7.0	71
4	14.0				1.0					22.6	77.4	7.4	71
5	15.0				1.0					25.5	74.5	6.9	71
6	16.0				3.0					26.5	73.5	6.5	71
7	17.0				1.0					27.1	72.9	6.9	71
8	18.0				2.0					26.7	73.3	6.7	71
9	19.0				3.0					31.0	69.0	6.3	71
TOTALS	101				2.0					24.0	76.0	6.7	743

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SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
WHIDBEY ISLAND WASHINGTON(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

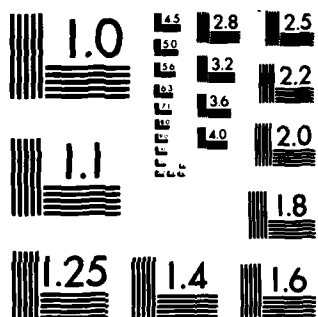
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**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
01	26.3				22.3						18.3	33.3	5.6	300
04	22.7				21.0						17.3	39.0	6.1	300
07	12.3				16.7						26.7	44.3	7.3	300
11	14.3				19.0						24.3	42.3	7.0	300
13	17.0				25.0						29.3	28.7	6.3	300
16	18.3				28.0						26.0	27.7	5.9	300
19	17.3				29.3						25.0	28.3	6.0	300
22	25.7				25.0						19.0	30.3	5.5	300
TOTALS	13.2				23.3						27.2	34.2	6.2	2400

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SKY COVER

STATION	STATION NAME	PERIOD	MONTH
2-155	HILARY ISLAND, WA	77-78	OCT

STATION	STATION NAME
1	STATION 1
2	STATION 2
3	STATION 3
4	STATION 4
5	STATION 5
6	STATION 6
7	STATION 7
8	STATION 8
9	STATION 9
10	STATION 10
11	STATION 11
12	STATION 12
13	STATION 13
14	STATION 14
15	STATION 15
16	STATION 16
17	STATION 17
18	STATION 18
19	STATION 19
20	STATION 20
21	STATION 21
22	STATION 22
23	STATION 23
24	STATION 24
25	STATION 25
26	STATION 26
27	STATION 27
28	STATION 28
29	STATION 29
30	STATION 30
31	STATION 31
32	STATION 32
33	STATION 33
34	STATION 34
35	STATION 35
36	STATION 36
37	STATION 37
38	STATION 38
39	STATION 39
40	STATION 40
41	STATION 41
42	STATION 42
43	STATION 43
44	STATION 44
45	STATION 45
46	STATION 46
47	STATION 47
48	STATION 48
49	STATION 49
50	STATION 50
51	STATION 51
52	STATION 52
53	STATION 53
54	STATION 54
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56	STATION 56
57	STATION 57
58	STATION 58
59	STATION 59
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67	STATION 67
68	STATION 68
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79	STATION 79
80	STATION 80
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82	STATION 82
83	STATION 83
84	STATION 84
85	STATION 85
86	STATION 86
87	STATION 87
88	STATION 88
89	STATION 89
90	STATION 90
91	STATION 91
92	STATION 92
93	STATION 93
94	STATION 94
95	STATION 95
96	STATION 96
97	STATION 97
98	STATION 98
99	STATION 99
100	STATION 100

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
07	01	15.5			21.6						12.7	43.9	6.7	310
	04	6.7			19.4						22.3	49.7	7.6	310
	07	7.9			17.4						24.2	54.5	8.2	310
	10	5.5			17.7						30.0	46.8	7.9	310
	13	6.1			22.9						27.7	43.2	7.5	310
	16	9.4			22.3						27.1	41.3	7.2	310
	19	17.6			24.2						20.0	45.2	7.0	310
	22	16.1			22.9						20.6	40.3	6.6	310
TOTALS					21.1						23.8	45.6	7.3	2490

MONY

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STATION

STATION NAME

PERIOD

MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	5.0			13.9						17.4	62.9	8.3	310
	04	4.5			16.5						18.4	59.7	8.1	310
	07	3.9			17.1						19.0	60.0	8.2	310
	10	3.2			11.6						27.1	58.1	8.6	310
	13	3.2			17.9						24.5	55.4	8.5	310
	16	3.6			13.3						24.6	58.6	8.5	309
	19	6.1			13.9						18.1	61.8	8.2	309
	22	7.8			14.2						14.2	63.1	9.1	309
TOTALS		4.0			14.3						20.5	60.2	8.3	2477

SKY COVER

STATION 2-255 WHITNEY ISLAND, AK PERIOD 73-82 MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	7.6			13.1						18.8	50.6	8.2	2480
FEB		7.3			13.0						22.0	60.8	8.5	2256
MAR		8.3			20.0						23.7	51.0	7.9	2480
APR		6.9			20.1						24.9	48.0	7.6	2400
MAY		6.0			24.2						25.1	44.6	7.5	2480
JUN		6.9			23.2						27.3	40.6	7.2	2470
JUL		10.1			25.1						24.0	32.8	6.2	2480
AUG		15.0			24.6						21.1	38.4	6.5	2480
SEP		19.2			23.3						23.2	34.2	6.2	2400
OCT		9.0			21.1						23.8	45.6	7.3	2480
NOV		6.7			16.5						22.5	54.3	7.9	2400
DEC		4.0			14.3						20.5	60.3	9.3	2477
TOTALS		9.4			20.0						23.1	47.6	7.4	29213

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
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90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S.D.													
TOTAL OBS.													

NAVWEASERVCOM

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1						1.1	3.9	4.9	1.9	1.1			.1
2						1.1	34.7	4.1	1.1	1.1			.2
3						1.1	34.7	4.1	1.1	1.1			.9
4						1.1	34.7	4.1	1.1	1.1			.9
5						1.1	34.7	4.1	1.1	1.1			.9
6						1.1	34.7	4.1	1.1	1.1			.9
7						1.1	34.7	4.1	1.1	1.1			.9
8						1.1	34.7	4.1	1.1	1.1			.9
9						1.1	34.7	4.1	1.1	1.1			.9
10						1.1	34.7	4.1	1.1	1.1			.9
11						1.1	34.7	4.1	1.1	1.1			.9
12						1.1	34.7	4.1	1.1	1.1			.9
13						1.1	34.7	4.1	1.1	1.1			.9
14						1.1	34.7	4.1	1.1	1.1			.9
15						1.1	34.7	4.1	1.1	1.1			.9
16						1.1	34.7	4.1	1.1	1.1			.9
17						1.1	34.7	4.1	1.1	1.1			.9
18						1.1	34.7	4.1	1.1	1.1			.9
19						1.1	34.7	4.1	1.1	1.1			.9
20						1.1	34.7	4.1	1.1	1.1			.9
21						1.1	34.7	4.1	1.1	1.1			.9
22						1.1	34.7	4.1	1.1	1.1			.9
23						1.1	34.7	4.1	1.1	1.1			.9
24						1.1	34.7	4.1	1.1	1.1			.9
25						1.1	34.7	4.1	1.1	1.1			.9
26						1.1	34.7	4.1	1.1	1.1			.9
27						1.1	34.7	4.1	1.1	1.1			.9
28						1.1	34.7	4.1	1.1	1.1			.9
29						1.1	34.7	4.1	1.1	1.1			.9
30						1.1	34.7	4.1	1.1	1.1			.9
31						1.1	34.7	4.1	1.1	1.1			.9
32						1.1	34.7	4.1	1.1	1.1			.9
33						1.1	34.7	4.1	1.1	1.1			.9
34						1.1	34.7	4.1	1.1	1.1			.9
35						1.1	34.7	4.1	1.1	1.1			.9
36						1.1	34.7	4.1	1.1	1.1			.9
37						1.1	34.7	4.1	1.1	1.1			.9
38						1.1	34.7	4.1	1.1	1.1			.9
39						1.1	34.7	4.1	1.1	1.1			.9
40						1.1	34.7	4.1	1.1	1.1			.9
41						1.1	34.7	4.1	1.1	1.1			.9
42						1.1	34.7	4.1	1.1	1.1			.9
43						1.1	34.7	4.1	1.1	1.1			.9
44						1.1	34.7	4.1	1.1	1.1			.9
45						1.1	34.7	4.1	1.1	1.1			.9
46						1.1	34.7	4.1	1.1	1.1			.9
47						1.1	34.7	4.1	1.1	1.1			.9
48						1.1	34.7	4.1	1.1	1.1			.9
49						1.1	34.7	4.1	1.1	1.1			.9
50						1.1	34.7	4.1	1.1	1.1			.9
51						1.1	34.7	4.1	1.1	1.1			.9
52						1.1	34.7	4.1	1.1	1.1			.9
53						1.1	34.7	4.1	1.1	1.1			.9
54						1.1	34.7	4.1	1.1	1.1			.9
55						1.1	34.7	4.1	1.1	1.1			.9
56						1.1	34.7	4.1	1.1	1.1			.9
57						1.1	34.7	4.1	1.1	1.1			.9
58						1.1	34.7	4.1	1.1	1.1			.9
59						1.1	34.7	4.1	1.1	1.1			.9
60						1.1	34.7	4.1	1.1	1.1			.9
61						1.1	34.7	4.1	1.1	1.1			.9
62						1.1	34.7	4.1	1.1	1.1			.9
63						1.1	34.7	4.1	1.1	1.1			.9
64						1.1	34.7	4.1	1.1	1.1			.9
65						1.1	34.7	4.1	1.1	1.1			.9
66						1.1	34.7	4.1	1.1	1.1			.9
67						1.1	34.7	4.1	1.1	1.1			.9
68						1.1	34.7	4.1	1.1	1.1			.9
69						1.1	34.7	4.1	1.1	1.1			.9
70						1.1	34.7	4.1	1.1	1.1			.9
71						1.1	34.7	4.1	1.1	1.1			.9
72						1.1	34.7	4.1	1.1	1.1			.9
73						1.1	34.7	4.1	1.1	1.1			.9
74						1.1	34.7	4.1	1.1	1.1			.9
75						1.1	34.7	4.1	1.1	1.1			.9
76						1.1	34.7	4.1	1.1	1.1			.9
77						1.1	34.7	4.1	1.1	1.1			.9
78						1.1	34.7	4.1	1.1	1.1			.9
79						1.1	34.7	4.1	1.1	1.1			.9
80						1.1	34.7	4.1	1.1	1.1			.9
81						1.1	34.7	4.1	1.1	1.1			.9
82						1.1	34.7	4.1	1.1	1.1			.9
83						1.1	34.7	4.1	1.1	1.1			.9
84						1.1	34.7	4.1	1.1	1.1			.9
85						1.1	34.7	4.1	1.1	1.1			.9
86						1.1	34.7	4.1	1.1	1.1			.9
87						1.1	34.7	4.1	1.1	1.1			.9
88						1.1	34.7	4.1	1.1	1.1			.9
89						1.1	34.7	4.1	1.1	1.1			.9
90						1.1	34.7	4.1	1.1	1.1			.9
91						1.1	34.7	4.1	1.1	1.1			.9
92						1.1	34.7	4.1	1.1	1.1			.9
93						1.1	34.7	4.1	1.1	1.1			.9
94						1.1	34.7	4.1	1.1	1.1			.9
95						1.1	34.7	4.1	1.1	1.1			.9
96						1.1	34.7	4.1	1.1	1.1			.9
97						1.1	34.7	4.1	1.1	1.1			.9
98						1.1	34.7	4.1	1.1	1.1			.9
99						1.1	34.7	4.1	1.1	1.1			.9
100						1.1	34.7	4.1	1.1	1.1			.9
101						1.1	34.7	4.1	1.1	1.1			.9
102						1.1	34.7	4.1	1.1	1.1			.9
103						1.1	34.7	4.1	1.1	1.1			.9
104						1.1	34.7	4.1	1.1	1.1			.9
105						1.1	34.7	4.1	1.1	1.1			.9
106						1.1	34.7	4.1	1.1	1.1			.9
107						1.1	34.7	4.1	1.1	1.1			.9
108						1.1	34.7	4.1	1.1	1.1			.9
109						1.1	34.7	4.1	1.1	1.1			.9
110						1.1	34.7	4.1	1.1	1.1			.9
111						1.1	34.7	4.1	1.1	1.1			.9
112						1.1	34.7	4.1	1.1	1.1			.9
113						1.1	34.7	4.1	1.1	1.1			.9
114						1.1	34.7	4.1	1.1	1.1			.9
115						1.1	34.7	4.1	1.1	1.1			.9
116						1.1	34.7	4.1	1.1	1.1			.9
117						1.1	34.7	4.1	1.1	1.1			.9
118						1.1	34.7	4.1	1.1	1.1			.9
119						1.1	34.7	4.1	1.1	1.1			.9
120						1.1	34.7	4.1	1.1	1.1			.9
121						1.1	34.7	4.1	1.1	1.1			.9
122						1.1	34.7	4.1	1.1	1.1			.9
123						1.1	34.7	4.1	1.1	1.1			.9
124						1.1	34.7	4.1	1.1	1.1			.9
125						1.1	34.7	4.1	1.1	1.1			.9
126						1.1	34.7	4.1	1.1	1.1			.9
127						1.1	34.7	4.1	1.1	1.1			.9
128						1.1	34.7	4.1	1.1	1.1			.9
129						1.1	34.7	4.1	1.1	1.1			.9
130						1.1	34.7	4.1	1.1	1.1			.9
131						1.1	34.7	4.1	1.1	1.1			.9
132						1.1	34.7	4.1	1.1	1.1			.9
133						1.1	34.7	4.1	1.1	1.1			.9
134						1.1	34.7	4.1	1.1	1.1			.9
135						1.1	34.7	4.1	1.1	1.1			.9
136						1.1	34.7	4.1	1.1	1.1			.9
137						1.1	34.7	4.1	1.1	1.1			.9
138						1.1	34.7	4.1	1.1	1.1			.9
1													

4 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: ASHEVILLE, NORTH CAROLINA

STATION: 145-145 145-145 0000-0000 MONTH: 01 01

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
10	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
11	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
12	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
13	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
14	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
15	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
16	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
17	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
18	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
19	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
20	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
21	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
22	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
23	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
24	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
25	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
26	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
27	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
28	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
29	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
30	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
31	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977
Monthly	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	°F	°C	AVERAGE °F	°C	EXTREME °F	AVERAGE °F	°C	EXTREME °F
1	•	6.7	•	•	•	34.3	1.3	-14.4
2	•	9.9	34.1	7.3	57	28.9	1.1	-14.7
3	•	•	27.3	•	•	30.3	2.3	-14.7
4	•	•	•	•	•	35.9	2.2	-14.7
5	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
6	•	•	37.7	•	•	35.9	1.3	-14.7
7	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
8	•	•	37.7	•	•	35.9	1.3	-14.7
9	•	•	34.4	•	57	35.9	1.3	-14.7
10	•	•	37.7	•	57	35.9	1.3	-14.7
11	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
12	•	•	37.7	•	57	35.9	1.3	-14.7
13	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
14	•	•	37.7	•	57	35.9	1.3	-14.7
15	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
16	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
17	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
18	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
19	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
20	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
21	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
22	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
23	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
24	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
25	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
26	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
27	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
28	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
29	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
30	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
31	•	9.9	34.4	7.3	57	35.9	1.3	-14.7
Monthly	•	9.9	34.4	7.3	57	35.9	1.3	-14.7

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA DAILY AVERAGE/EXTREME TEMPERATURES

STATION 57 STATION NAME YEARS MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	1.0	5.0	1.4	5.9	5.7	13.3	34.0	1.4	2.3	-7.0	1971
2	1.0	5.0	47.6	9.7	57	13.3	34.0	1.4	2.3	-3.0	1971
3	1.0	5.0	4.5	3.1	54	17.0	35.5	2.0	2.1	-4.4	1975
4	1.0	4.7	47.0	6.4	51	14.1	47.3	1.1	1.6	-1.0	1976
5	1.0	5.5	40.7	9.7	53	11.3	27.7	1.9	1	-7.9	1976
6	1.0	5.7	9.1	5.5	54	17.0	35.5	1.9	2.3	-1.3	1976
7	1.0	6.1	4.0	3.4	5	14.4	34.0	2.3	2.7	-2.0	1974
8	2.0	5.0	43.1	9.3	53	13.3	34.0	2.2	2.7	-2.3	1971
9	1.0	6.1	43.4	9.7	54	14.3	34.0	2.4	2.4	-4.4	1971
10	2.0	6.3	1.5	6.7	51	14.1	37.1	2.3	1.3	-1.3	1971
11	2.0	6.2	47.0	9.3	77	21.1	36.7	2.4	2.3	-2.0	1971
12	2.0	6.3	33.5	9.7	67	17.0	37.0	2.3	2.6	-3.3	1974
13	2.0	6.3	43.7	9.3	57	17.0	34.1	2.3	2.3	-1.3	1967
14	4.0	5.1	5.1	11.4	62	14.7	37.0	1.7	2.7	-1.1	1964
15	4.0	7.0	1.5	11.7	53	14.1	39.4	4.1	2.7	-1.7	1956
16	4.0	7.0	1.1	10.0	6	13.4	34.1	3.4	2.7	-1.1	1971
17	4.1	6.7	11.0	10.2	41	13.1	37.7	2.3	2.1	-4.4	1961
18	4.4	7.0	1.0	10.0	64	17.3	24.0	1.4	2.2	-3.6	1963
19	4.5	5.0	11.3	10.3	60	13.4	37.4	2.0	2.1	-6.1	1963
20	4.0	7.1	11.1	17.3	77	20.7	39.4	3.0	2.1	-1.1	1974
21	4.0	7.4	11.1	11.3	23	13.3	39.4	3.0	2.7	-2.3	1971
22	4.0	7.0	11.1	11.1	45	14.3	39.4	3.0	2.4	-1.7	1974
23	4.0	7.4	11.6	11.4	60	14.4	36.0	3.0	2.4	-1.3	1971
24	4.0	7.4	11.3	11.3	6	11.3	3.6	3.0	2.3	-1.0	1971
25	4.0	7.7	11.0	11.1	61	14.1	39.1	4.7	2.7	-1.1	1970
26	4.0	7.7	11.1	11.7	47	17.3	39.7	3.3	2.1	-2.0	1963
27	4.0	7.0	11.0	11.0	4	13.4	36.0	3.0	2.7	-1.7	1970
28	4.0	7.0	11.4	10.3	33	14.0	38.4	3.0	2.7	-1.7	1974
29	4.0	7.7	11.0	11.3	51	14.1	4.3	4.3	2.7	-1.7	1974
30	4.0	7.0	11.2	11.2	5	23.1	39.0	4.0	2.7	-1.1	1974
31	4.0	7.4	11.4	10.3	47	14.4	39.1	4.0	2.7	-1.7	1971
Monthly	4.0	6.0	1.3	10.2	73	20.0	37.0	3.0	1.1	-1.0	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	45.8	7.1	11.4	10.4	5	14.4	15.1	14.4	35.7	4.3	-1.1	-1.1	1977
2	45.8	7.1	11.7	11.7	32	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
3	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
4	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
5	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
6	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
7	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
8	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
9	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
10	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
11	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
12	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
13	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
14	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
15	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
16	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
17	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
18	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
19	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
20	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
21	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
22	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
23	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
24	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
25	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
26	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
27	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
28	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
29	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
30	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
31	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977
Monthly	45.8	7.1	11.7	11.7	34	17.8	15.6	17.8	35.7	4.3	-1.1	-1.1	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP			MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		°C	AVERAGE		EXTREME		DATE	AVERAGE		EXTREME	
	°F	°C		°F	°C	°F	°C		°F	°C	°F	°C
1	•	10.1	57.0	14.1	6	7	1347	41.3	5.6	2	12	
2	•	10.2	57.5	13.9	7	12	1345	40.1	4.7	2	12	
3	•	10.1	56.0	13	6	10	1353	43.4	5.7	3	13	
4	•	9.9	55.6	13.7	7	12	1353	42.1	5.1	2	13	
5	•	10.0	57.3	14.7	7	14	1353	40.3	5.0	2	13	
6	•	10.0	57.0	14.7	7	13	1353	44.7	7.1	2	13	
7	•	11.1	59.3	14.7	7	13	1345	44.0	7.1	2	13	
8	•	11.1	59.0	14.3	7	13	1339	45	7.7	2	13	
9	•	11.4	57.0	14.2	3	13	1371	47.0	7.0	2	13	
10	•	11.1	57.6	14.3	7	13	1345	46.0	7.0	2	13	
11	•	10.8	57.8	14.3	6	13	1371	45	7.0	2	13	
12	•	11.0	58.2	14.2	7	13	1369	45.3	7.0	2	13	
13	•	11.3	58.0	14.0	9	13	1350	45.0	7.7	2	13	
14	•	11.1	58.1	14.1	7	13	1373	45.0	7.7	2	13	
15	•	11.1	58.0	14.3	6	13	1353	45.0	7.7	2	13	
16	•	11.4	58.2	15.2	7	13	1376	45.7	7.0	2	13	
17	•	11.7	58.1	15.7	7	13	1350	45.0	7.7	2	13	
18	•	12.1	61.1	16.2	7	13	1350	46.5	8.1	2	13	
19	•	12.0	58.7	15.9	6	13	1361	46.0	8.2	2	13	
20	•	12.1	60.2	15.7	7	13	1363	47.0	8.4	2	13	
21	•	11.7	58.6	15.3	7	13	1363	46.4	8	2	13	
22	•	11.3	59.6	15.2	7	13	1358	47.0	8.3	2	13	
23	•	11.2	60.6	15.0	7	13	1359	47.2	8.4	2	13	
24	•	11.0	58.2	15.7	7	13	1360	47.0	8.2	2	13	
25	•	11.0	58.6	15.3	7	13	1360	48.6	9.1	2	13	
26	•	11.2	58.0	14.0	7	13	1347	47.0	8.4	2	13	
27	•	11.1	58.0	15.0	7	13	1372	47.0	8	2	13	
28	•	11.0	58.3	15.4	7	13	1372	47.0	8.4	2	13	
29	•	10.1	58.2	15.0	7	13	1340	47.0	8	2	13	
30	•	11.0	58.4	15.0	7	13	1340	46.6	8.1	2	13	
31	•	12.4	61.3	16.2	7	13	1370	47.0	8	2	13	
Monthly	•	11.4	58.0	15.1	7	13	1361	45.0	7.7	2	13	

***ALSO ON EARLIER YEARS**

DIRNA VOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

STATION

YEARS

MONTH

4

4

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	°F	°C		
1	5.0	13.3	13.1	17.7	37	32.2	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
2	5.0	13.3	13.1	16.7	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
3	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
4	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
5	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
6	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
7	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
8	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
9	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
10	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
11	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
12	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
13	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
14	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
15	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
16	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
17	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
18	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
19	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
20	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
21	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
22	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
23	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
24	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
25	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
26	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
27	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
28	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
29	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
30	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
31	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157
Monthly	5.0	13.3	13.1	16.4	77	25.6	157	157	157	157	49.9	9.8	5	41	5.6	15.1	157	157

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

STATION YEARS MONTH

1964 - 1967 JULY

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	°F	°C	AVERAGE °F	°C	EXTREME °F	°C	AVERAGE °F	°C	EXTREME °F	°C
1	5.7	13.2	53.2	17.3	7	21.6	52.1	12.1	4	3.8
2	5.0	13.0	53.7	17.7	6	21.7	52.7	12.3	3	3.6
3	5.0	13.0	53.3	17.7	5	21.8	53.2	12.1	4	3.6
4	5.0	14.4	53.2	18.4	7	22.1	51.2	13.7	4	3.2
5	5.0	14.2	54.1	17.3	7	22.2	51.1	13.0	3	5.6
6	5.0	14.3	55.4	18.4	8	22.7	51.1	13.8	4	5.6
7	5.0	14.5	55.2	18.4	7	22.8	51.0	13.8	4	5.6
8	5.0	14.7	55.4	18.4	7	22.8	51.4	13.8	4	7.7
9	5.0	14.7	55.1	18.4	7	22.8	51.7	16.2	4	7.7
10	5.0	14.7	54.9	18.3	7	22.6	51.3	11.1	4	7.2
11	5.0	14.7	54.7	18.3	4	22.1	52.1	11.2	4	8.8
12	5.0	14.9	55.7	18.7	8	23.3	51.8	18.8	4	7.8
13	5.0	14.7	56.0	18.3	7	22.6	51.7	13.7	4	7.8
14	5.0	14.8	55.4	18.4	7	22.7	51.1	11.1	4	7.3
15	5.0	15.1	56.4	19.1	7	24.1	51.1	11.1	4	7.9
16	5.0	15.0	56.4	18.4	7	24.4	51.3	11.1	4	8.2
17	5.0	15.4	57.5	19.3	8	27.8	51.3	11.1	4	7.2
18	5.0	15.3	56.5	19.3	7	27.8	52.6	11.8	4	8.2
19	5.0	15.2	56.3	19.1	7	27.1	52.5	11.9	4	6.7
20	5.0	15.1	56.7	18.9	7	27.6	52.3	11.2	4	7.3
21	5.0	15.1	56.7	19.3	7	27.6	51.7	13.7	4	7.3
22	5.0	15.2	56.2	19.1	7	27.4	52.4	11.2	4	8.3
23	5.0	14.9	56.4	19.1	7	27.4	51.6	13.8	4	7.9
24	5.0	14.7	56.5	18.7	7	27.6	51.3	13.7	4	6.7
25	5.0	15.2	56.7	19.3	7	27.8	51.8	11.1	4	7.2
26	5.0	15.3	56.8	19.3	7	27.8	52.1	11.2	4	8.3
27	5.0	15.1	56.8	19.3	7	27.6	52.3	11.3	4	6.1
28	5.0	15.1	56.4	19.1	7	27.6	51.3	11.1	4	7.2
29	5.0	15.1	56.1	18.9	7	27.6	51.3	11.0	4	7.9
30	5.0	15.2	56.6	19.3	7	27.4	52.0	11.2	4	7.8
31	5.0	15.4	57.4	19.7	8	27.8	52.6	11.0	4	8.1
Monthly	5.0	14.8	55.7	19.7	8	27.8	51.7	13.8	4	8.1

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

10

MONTH

***ALSO ON EARLIER YEARS**

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

STATION

YEARS

MONTH

DAILY AVERAGE/EXTREME TEMPERATURES

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
2	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
3	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
4	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
5	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
6	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
7	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
8	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
9	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
10	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
11	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
12	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
13	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
14	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
15	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
16	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
17	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
18	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
19	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
20	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
21	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
22	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
23	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
24	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
25	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
26	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
27	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
28	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
29	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
30	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
31	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967
Monthly	50.0	10.0	50.0	10.0	77.0	25.6	31.0	10.0	50.0	10.0	31.0	10.0	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

STATION

1955

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DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: STATION: MONTH: YEARS: MONTH: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Monthly

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	4.4	4.4	3.3	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-0.0	1971
2	4.4	4.4	3.3	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1972
3	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1973
4	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1974
5	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1975
6	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1976
7	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1977
8	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1978
9	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1979
10	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1980
11	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1981
12	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1982
13	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1983
14	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1984
15	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1985
16	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1986
17	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1987
18	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1988
19	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1989
20	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1990
21	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1991
22	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1992
23	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1993
24	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1994
25	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1995
26	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1996
27	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1997
28	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1998
29	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	1999
30	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	2000
31	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	2001
Monthly	4.4	4.4	4.4	12.2	6	20.0	17.7	17.7	4.4	4.4	4.4	-1.1	2002

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: ASHEVILLE, NORTH CAROLINA STATION: 11111 YEARS: 1961-1962 MONTH: 1961

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	AVERAGE °F	°C	AVERAGE °F	°C	EXTREME °F	AVERAGE °F	°C	EXTREME °F
1	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
2	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
3	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
4	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
5	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
6	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
7	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
8	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
9	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
10	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
11	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
12	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
13	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
14	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
15	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
16	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
17	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
18	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
19	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
20	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
21	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
22	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
23	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
24	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
25	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
26	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
27	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
28	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
29	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
30	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
31	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3
Monthly	4.6	5.0	4.9	9.0	5.0	39.4	4.0	-1.3

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NAME
MC CORMY ISLAND, GA

YEARS

1917-1977

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				61		70	65	61	75	72	75		
46	52	55	60	60	70		72	75	71	65	75	54	
47		57	59	56	74	74	75	73	70	67	63		
48	50	55	60	63	68	75	76	75	73		63	40	
49		59	60	61	75	74	73	74	75	67	60	55	
50	50	53	53	64	66	75	76	73	79	66	64	58	79
51	55	64	65		63	63	76	76	76	67	57		
52	57	59	60	68		67	79	80	73	65	60	60	
53	59	56	60	65	76	66	75	75	72	67	57	53	75
54	53	54	59	52	65	65	68	71	72	69	63	65	70
55	52	57	54	57	66	65	65	73	74	63	59	60	
56	55	49	75	60	75	70	79	71	64	56	56	54	79
57	51	74	55	65	69	67	71	72	73	65	58	57	77
58	57	50	50	66	72	75	78	75	74	70	60	59	75
59	53	54	56	70	62	75	82	76	77	66	59	54	82
60	64	53	58	65	77	69	75	88	69	66	58	57	84
61	53	58	62	65	82	76	83	77	80	75	57	56	85
62	55	59	57	62	67	73	77	74	77	70	60	54	77
63	53	59	63	66	78	75	74	75	75	75	56	62	70
64	54	53	55	56	68	72	73	72	69	64	54	52	75
65	62	53	70	72	63	74	81	75	69	77	63	56	81
66	56	64	61	70	72	74	71	77	75	64	60	57	77
67	55	56	60	59	71	76	75	81	77	77	53	56	80
68	53	60	70	64	73	75	80	74	70	64	60	55	80
69	63	56	68	66	79	81	73	77	77	67	57	55	81
70	41	56	60	57	67	69	77	71	67	68	60	55	83
71	59	56	59	70	73	65	79	79	78	67	58	61	83
72	52	51	61	69	73	61	82	73	77	65	53	54	80
73	57	55	70	69	75	71	78	77	77	64	61	51	80
74	55	53	60	73	63	72	76	79	80	61	57	57	80
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION	STATION NAME
	STATION NAME

YEARS

100

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION NUMBER

(FROM DAILY OBSERVATIONS)

STATION NAME

YEARS

STATION

WIND SPEEDS (KNOTS) / BASED ON (15 MIN) FULL WINDY

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1				54	70					50		54	ALL MONTHS
2				54	70					50		54	ALL MONTHS
3													ALL MONTHS
4													ALL MONTHS
5													ALL MONTHS
6													ALL MONTHS
7													ALL MONTHS
8													ALL MONTHS
9													ALL MONTHS
10													ALL MONTHS
11													ALL MONTHS
12													ALL MONTHS
13													ALL MONTHS
14													ALL MONTHS
15													ALL MONTHS
16													ALL MONTHS
17													ALL MONTHS
18													ALL MONTHS
19													ALL MONTHS
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21													ALL MONTHS
22													ALL MONTHS
23													ALL MONTHS
24													ALL MONTHS
25													ALL MONTHS
26													ALL MONTHS
27													ALL MONTHS
28													ALL MONTHS
29													ALL MONTHS
30													ALL MONTHS
31													ALL MONTHS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

TEMPERATURE
FROM DAILY OBSERVATIONS)

STATION	STATION NAME
1	1
2	2
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7	7
8	8
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10	10
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89	89
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93	93
94	94
95	95
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97	97
98	98
99	99
100	100

YEARS

THE
CITY
OF
NEW
YORK
COUNTY
CLERK

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1900	1-9	7	10	12	13	6	20	27	44	28	3	23	
1901			26	34	34			41	45	27	35		
1902	18	20	20	30	35	43	46	4	27	16	36		
1903				34	35	62	67	43	33	25	32	13	
1904	1-		11	22	23	41	46	13	27	33	27	20	1-
1905	17	24	18		25	43	62	47	10	29	27	12	
1906	1	20	19	20	26	27	47	47	41	34	21	25	
1907	17	22	25	31	33	41	43	21	41	30	24	21	
1908	17	22	25	31	33	41	43	21	41	30	24	21	
1909	17	22	25	31	33	41	43	21	41	30	24	21	
1910	17	22	25	31	33	41	43	21	41	30	24	21	
1911	17	22	25	31	33	41	43	21	41	30	24	21	
1912	17	22	25	31	33	41	43	21	41	30	24	21	
1913	17	22	25	31	33	41	43	21	41	30	24	21	
1914	17	22	25	31	33	41	43	21	41	30	24	21	
1915	17	22	25	31	33	41	43	21	41	30	24	21	
1916	17	22	25	31	33	41	43	21	41	30	24	21	
1917	17	22	25	31	33	41	43	21	41	30	24	21	
1918	17	22	25	31	33	41	43	21	41	30	24	21	
1919	17	22	25	31	33	41	43	21	41	30	24	21	
1920	17	22	25	31	33	41	43	21	41	30	24	21	
1921	17	22	25	31	33	41	43	21	41	30	24	21	
1922	17	22	25	31	33	41	43	21	41	30	24	21	
1923	17	22	25	31	33	41	43	21	41	30	24	21	
1924	17	22	25	31	33	41	43	21	41	30	24	21	
1925	17	22	25	31	33	41	43	21	41	30	24	21	
1926	17	22	25	31	33	41	43	21	41	30	24	21	
1927	17	22	25	31	33	41	43	21	41	30	24	21	
1928	17	22	25	31	33	41	43	21	41	30	24	21	
1929	17	22	25	31	33	41	43	21	41	30	24	21	
1930	17	22	25	31	33	41	43	21	41	30	24	21	
1931	17	22	25	31	33	41	43	21	41	30	24	21	
1932	17	22	25	31	33	41	43	21	41	30	24	21	
1933	17	22	25	31	33	41	43	21	41	30	24	21	
1934	17	22	25	31	33	41	43	21	41	30	24	21	
1935	17	22	25	31	33	41	43	21	41	30	24	21	
1936	17	22	25	31	33	41	43	21	41	30	24	21	
1937	17	22	25	31	33	41	43	21	41	30	24	21	
1938	17	22	25	31	33	41	43	21	41	30	24	21	
1939	17	22	25	31	33	41	43	21	41	30	24	21	
1940	17	22	25	31	33	41	43	21	41	30	24	21	
1941	17	22	25	31	33	41	43	21	41	30	24	21	
1942	17	22	25	31	33	41	43	21	41	30	24	21	
1943	17	22	25	31	33	41	43	21	41	30	24	21	
1944	17	22	25	31	33	41	43	21	41	30	24	21	
1945	17	22	25	31	33	41	43	21	41	30	24	21	
1946	17	22	25	31	33	41	43	21	41	30	24	21	
1947	17	22	25	31	33	41	43	21	41	30	24	21	
1948	17	22	25	31	33	41	43	21	41	30	24	21	
1949	17	22	25	31	33	41	43	21	41	30	24	21	
1950	17	22	25	31	33	41	43	21	41	30	24	21	
1951	17	22	25	31	33	41	43	21	41	30	24	21	
1952	17	22	25	31	33	41	43	21	41	30	24	21	
1953	17	22	25	31	33	41	43	21	41	30	24	21	
1954	17	22	25	31	33	41	43	21	41	30	24	21	
1955	17	22	25	31	33	41	43	21	41	30	24	21	
1956	17	22	25	31	33	41	43	21	41	30	24	21	
1957	17	22	25	31	33	41	43	21	41	30	24	21	
1958	17	22	25	31	33	41	43	21	41	30	24	21	
1959	17	22	25	31	33	41	43	21	41	30	24	21	
1960	17	22	25	31	33	41	43	21	41	30	24	21	
1961	17	22	25	31	33	41	43	21	41	30	24	21	
1962	17	22	25	31	33	41	43	21	41	30	24	21	
1963	17	22	25	31	33	41	43	21	41	30	24	21	
1964	17	22	25	31	33	41	43	21	41	30	24	21	
1965	17	22	25	31	33	41	43	21	41	30	24	21	
1966	17	22	25	31	33	41	43	21	41	30	24	21	
1967	17	22	25	31	33	41	43	21	41	30	24	21	
1968	17	22	25	31	33	41	43	21	41	30	24	21	
1969	17	22	25	31	33	41	43	21	41	30	24	21	
1970	17	22	25	31	33	41	43	21	41	30	24	21	
1971	17	22	25	31	33	41	43	21	41	30	24	21	
1972	17	22	25	31	33	41	43	21	41	30	24	21	
1973	17	22	25	31	33	41	43	21	41	30	24	21	
1974	17	22	25	31	33	41	43	21	41	30	24	21	
1975	17	22	25	31	33	41	43	21	41	30	24	21	
1976	17	22	25	31	33	41	43	21	41	30	24	21	
1977	17	22	25	31	33	41	43	21	41	30	24	21	
1978	17	22	25	31	33	41	43	21	41	30	24	21	
1979	17	22	25	31	33	41	43	21	41	30	24	21	
1980	17	22	25	31	33	41	43	21	41	30	24	21	
1981	17	22	25	31	33	41	43	21	41	30	24	21	
1982	17	22	25	31	33	41	43	21	41	30	24	21	
1983	17	22	25	31	33	41	43	21	41	30	24	21	
1984	17	22	25	31	33	41	43	21	41	30	24	21	
1985	17	22	25	31	33	41	43	21	41	30	24	21	
1986	17	22	25	31	33	41	43	21	41	30	24	21	
1987	17	22	25	31	33	41	43	21	41	30	24	21	
1988	17	22	25	31	33	41	43	21	41	30	24	21	
1989	17	22	25	31	33	41	43	21	41	30	24	21	
1990	17	22	25	31	33	41	43	21	41	30	24	21	
1991	17	22	25	31	33	41	43	21	41	30	24	21	
1992	17	22	25	31	33	41	43	21	41	30	24	21	
1993	17	22	25	31	33	41	43	21	41	30	24	21	
1994	17	22	25	31	33	41	43	21	41	30	24	21	
1995	17	22	25	31	33	41	43	21	41	30	24	21	
1996	17	22	25	31	33	41	43	21	41	30	24	21	
1997	17	22	25	31	33	41	43	21	41	30	24	21	
1998	17	22	25	31	33	41	43	21	41	30	24	21	
1999	17	22	25	31	33	41	43	21	41	30	24	21	
2000	17	22	25	31	33	41	43	21	41	30	24	21	
2001	17	22	25	31	33	41	43	21	41	30	24	21	
2002	17	22	25	31	33	41	43	21	41	30	24	21	
2003	17	22	25	31	33	41	43	21	41	30	24	21	
2004	17	22	25	31	33	41	43	21	41	30	24	21	
2005	17	22	25	31	33	41	43	21	41	30	24	21	
2006	17	22	25	31	33	41	43	21	41	30	24	21	
2007	17	22	25	31	33	41	43	21	41	30	24	21	
2008	17	22	25	31	33	41	43	21	41	30	24	21	
2009	17	22	25	31	33	41	43	21	41	30	24	21	
2010	17	22	25	31	33	41	43	21	41	30	24	21	
2011	17	22	25	31	33	41	43	21	41	30	24	21	
2012	17	22	25	31	33	41	43	21	41	30	24	21	
2013	17	22	25	31	33	41	43	21	41	30	24	21	
2014	17	22	25	31	33	41	43	21	41	30	24	21	
2015	17	22	25	31	33	41	43	21	41	30	24	21	
2016	17	22	25	31	33	41	43	21	41	30	24	21	
2017	17	22	25	31	33	41	43	21	41	30	24	21	
2018	17	22	25	31	33	41	43	21	41	30	24	21	
2019	17	22	25	31	33	41	43	21	41	30	24	21	
2020	17	22	25	31	33	41	43	21	41	30	24	21	
2021	17	22	25	31	33								

SMOS

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

YEARS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
72	24	23	26	30	29	41	43	42	40	37	33	30	37
74	26	22	31	32	30	43	37	47	41	42	27	27	31
77	23	21	23	33	27	42	44	40	42	34	16	23	19
7	22	24	27	37	26	37	40	45	44	42	21	19	19
75	12	21	30	35	29	43	46	43	40	43	37	30	17
76	13	20	29	32	26	44	44	41	42	33	26	17	15
71	20	23	21	32	26	42	47	47	47	38	23	27	27
7	10	23	20	22	31	43	43	41	39	34	25	23	19
MEAN	24.0	24.0	27.3	32.3	27.3	43.5	46.1	45.3	43.6	37.3	30.3	27.0	30.0
S. D.	3.29	3.60	3.32	3.36	3.71	3.40	3.75	3.73	3.18	3.77	4.31	7.33	7.33
TOTAL OBS.	101	101	114	110	110	111	117	117	116	117	114	111	113

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS)

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10

STATION

STATION NAME

YEARS

THESE LETTERS FROM THE
MAY 1967 AND THAT FULL 1967

[illegible]

SMOS

PSYCHROMETRIC SUMMARY

STATION NAME: NAVY NEW IRLAND, AS YEARS: 2007 MONTH: SEP PAGE: 1 HOURS (LST): 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Wet Bulb		
50																		2	7		
51																		23	23		
52																		44	44		
53																		56	56		
54																		140	140		
55																		256	256		
56																		267	267		
57																		335	335		
58																		307	307		
59																		225	225		
60																		185	185		
61																		144	144		
62																		97	87		
63																		61	61		
64																		42	42		
65																		23	23		
66																		13	13		
67																		5	5		
68																		1	1		
69																					
70																					
71																					
72																					
73																					
74																					
75																					
76																					
77																					
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99																					
100																					

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total						
Rel. Hum.	146.74629	179.251	79.64	14.743	2256	≥32 F	≥30 F	≥27 F	≥23 F	≥20 F	≥18 F	≥16 F	≥14 F	≥12 F	≥10 F	≥8 F	≥6 F	≥4 F	Total
Dry Bulb	4118.274	95452	42.3	5.673	2256	43.2													672.2
Wet Bulb	7603.457	80308	79.6	5.492	2256	74.2													672.2
Dew Point	7018.206	80954	75.9	7.87	2256	176.6													672.2

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION: WHELFORD ISLAND, SA MONTH: 1957 YEAR: 1957 DAY: 1 HOURS (L.S.T.): 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb
44																		5		
45																		3		
46																		5	1	
47																		12	1	1
48																		33	1	1
49																		72	79	4
50																		169	160	23
51																		257	257	26
52																		350	350	199
53																		455	455	287
54																		368	368	467
55																		271	271	425
56																		165	165	371
57																		116	116	222
58																		71	71	137
59																		45	45	53
60																		43	43	57
61																		17	17	36
62																		6	6	11
63																		6	6	8
64																		3	3	6
65																		1	1	1
66																				
67																				
68																				
69																				
70																				
71																				
72																				
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97																				
98																				
99																				
100																				
TOTAL																		2400	2400	2400

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						
						≤32 F	≤30 F	≥37 F	≥38 F	≥39 F	Total	
Rel. Hum.	17 2331	163544	76.6	14.77	243							
Dry Bulb	22214	11772	44.7	5.477	243							
Wet Bulb	24463	13255	51.4	4.655	243							
Dew Point	217386	92312	37.2	5.725	243							

NAVWEASERVCOM

STATION	TIME	REMARKS
2020		

STATION NAME
MILLY LAKE, WA

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STATION NAME

5 YEARS

APR 11 1964

CASE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL																														
																			D.B./W.B.	±31	±30	±29	±28	±27	±26	±25	±24	±23	±22	±21	±20	±19	±18	±17	±16	±15	±14	±13	±12	±11	±10	±9	±8	±7	±6	±5	±4	±3	±2	±1	0
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	±31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																														
70-77																		1	1																																
74-77																		1	1																																
70-71																		3	3																																
70-72																		5	5																																
70-75																		2	2																																
70-75																		4	4																																
70-71																		21	21																																
70-75																		23	23	1																															
70-75																		58	58																																
70-75																		117	117	13																															
70-75																		193	193	39																															
70-75																		256	256	80																															
70-75																		320	320	200																															
70-75																		423	423	361																															
70-75																		399	399	491																															
70-75																		239	239	470																															
70-75																		164	164	392																															
70-75																		82	82	189																															
70-75																		53	53	109																															
70-75																		29	29	44																															
70-75																		5	5	28																															
70-75																		2	2	2																															
70-75																				1																															
70-75																				13																															
70-75																				3																															
70-75																				1																															
70-75																		2400	2400	2400																															

Element (X)	Rel. Hum.	Wet Bulb	Dry Bulb	Dew Point	Mean No. of Hours with Temperature											Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					±93 F	±80 F	±73 F	±67 F	±52 F	±50 F	±40 F	±30 F	±20 F	±10 F	0 F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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STATION NAME

YEARS

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MONTH

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HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
																			DB./W.B.			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point		
74 / 77																		7	1			
77 / 71																		5	5			
77 / 67																		1	1			
67 / 67																		7	7			
67 / 65																		15	15			
47 / 65																		22	22			
127 / 61																		45	45			
127 / 59																		89	89	4		
57 / 57																		165	165	17		
57 / 55																		259	269	55		
77 / 53																		321	321	137		
77 / 51																		416	416	373		
77 / 49																		463	463	501		
67 / 47																		366	366	581		
67 / 45																		159	159	513		
47 / 43																		23	23	235		
27 / 41																		34	34	82		
37 / 39																		14	14	35		
77 / 37																		3	3	11		
77 / 36																		2	2	6		
77 / 33																				19		
77 / 31																				5		
77 / 29																				2487		
77 / 27																		2480	2480	2480		

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature									
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Ref. Hum.	1514731	191447	77.3	12.785	2487									Total	
Dry Bulb	1637466	127752	51.5	4.777	249									744.0	
Wet Bulb	575899	11544	47.3	7.440	249									744.0	
Dew Point	489738	10714	44.2	3.791	249									744.0	

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION NAME
 DATE
 MONTH
 YEAR
 PAGE 1
 HOURS (LST.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31						
70 / 77																		1	1				
74 / 73																		5	5				
72 / 71																		9	9				
72 / 69																		21	21				
67 / 67																		36	36				
67 / 65																		35	35				
64 / 63																		54	54	6			
62 / 61																		118	118	19	1		
59 / 59																		217	217	41	4		
57 / 57																		294	294	102	15		
55 / 55																		367	367	248	65		
54 / 53																		390	390	386	110		
52 / 51																		430	430	520	321		
50 / 49																		276	276	575	517		
47 / 47																		79	79	359	586		
45 / 45																		26	26	104	440		
44 / 43																		10	10	74	232		
42 / 41																		2	2	5	90		
40 / 39																				1	15		
37 / 37																					2		
TOTAL																		2400	2400	2400	2400		
Element (X)																							
Rel. Hum.	144966	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997	184997		
Dry Bulb	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260	73.65260		
Wet Bulb	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417	63.39417		
Dew Point	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360	55.59360		

Mean No. of Hours with Temperature

≥67 F

≥73 F

≥80 F

≥93 F

Total

21.6

1.4

720.0

720.0

720.0

720.0

720.0

720.0

720.0

720.0

720.0

720.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

2005 STATION NAME: MIDWAY ISLAND, HI DATE: 7-3-02 MONTH: JUL
 PAGE 1 HOURS (LST):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb		Dew Point
77/77																			1	1		
77/77																			1	1		
76/76																			5	5		
76/77																			14	14		
72/71																			24	24		
72/69																			35	35		
67/67																			49	49	1	
66/65																			95	95	5	1
64/67																			175	175	12	1
62/61																			239	239	52	3
61/59																			281	281	139	13
60/57																			343	343	263	76
59/55																			449	449	493	174
54/53																			404	404	630	364
52/51																			259	259	538	661
50/49																			76	76	276	634
47/47																			23	23	93	367
46/45																			5	5	25	134
44/43																			1	1	3	47
42/41																						15
41/39																						1
TOTAL																			2479	2479	2480	2480
											</											

Mean No. of Hours with Temperature

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	1771155	196492	79.7	11.63	2479	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F
Dry Bulb	253753	142498	57.6	6.29	2479			5.7	5.7		
Wet Bulb	181453	137700	53.7	7.02	2480			0.3			
Dew Point	111763	125463	50.6	7.08	2480						

NAWSEASERVCOM

PSYCHROMETRIC SUMMARY

STATION NAME
 DATE
 MONTH
 YEAR
 PAGE 1
 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb		Dew Point
77																			2	2		
76																			5	5		
75																			10	10		
74																			16	16		
73																			27	27		
72																			31	31		1
71																			61	61		2
70																			86	86		9
69																			172	172		25
68																			273	273		56
67																			303	303		157
66																			377	377		294
65																			443	443		549
64																			413	413		509
63																			226	226		521
62																			55	55		194
61																			10	10		51
60																			11	11		10
59																			1	1		2
58																						1
57																						
56																						
55																						
54																						
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48																						
47																						
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45																						
44																						
43																						
42																						
41																						
40																						
39																						
38																						
37																						
36																						
35																						
TOTAL																			2480	2480		2480
Element (X)	Mean No. of Hours with Temperature																		Total			
Rel. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

NAWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION
WHITNEY ISLAND, CA
YEARS
MONTH
PAGE 1
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
66/ 85																		1	1			
67/ 79																		1	1			
70/ 77																		1	1			
76/ 75																		2	2			
74/ 73																		4	4			
70/ 71																		15	15			
70/ 69																		27	27			
67/ 67																		35	35			
65/ 65																		35	35			
64/ 62																		130	130			
62/ 61																		205	205			
60/ 59																		242	242			
58/ 57																		315	315			
56/ 55																		344	344			
54/ 53																		353	353			
52/ 51																		266	266			
50/ 49																		181	181			
48/ 47																		105	105			
46/ 45																		60	60			
44/ 43																		18	18			
42/ 41																		5	5			
40/ 39																						
38/ 37																						
36/ 35																						
TOTAL	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	2400	2400	2400	2400	

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature										Total
Rel. Hum.	1554876	192556	8.02	17.35	2400	≥93 F	≥80 F	≥73 F	≥67 F	≥52 F	≤0 F	≥200	≥200			
Dry Bulb	122517	134501	56.01	6.58	2400		0.6	2.7	25.1				720.0			
Wet Bulb	665784	12406	52.5	4.11	2400				0.7				720.0			
Dew Point	5828	113146	49.6	4.252	2400								720.0			

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION NAME: ARMSTRONG ISLAND, AK DATE: 07-01 MONTH: JULY YEAR: 1967
 HOURS (LST): 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
77.59																		1	1			
77.67																		2	2			
77.68																		3	5			
77.68																		4	70			
77.61																		47	47			
77.59																		56	86			
77.57																		161	161	31	4	
77.55																		237	237	94	24	
77.57																		332	332	203	67	
77.51																		357	357	300	176	
77.48																		353	353	444	317	
77.47																		281	281	443	366	
77.45																		197	187	350	288	
77.43																		124	124	225	321	
77.41																		115	115	136	261	
77.37																		86	86	121	222	
77.37																		65	55	72	154	
77.31																		21	21	43	88	
77.31																		9	9	12	17	
77.29																		1	1	3	14	
77.27																						
TOTAL	7.3	1.43	1.13	1.1	4.8	1.6	0.2	0.1										2480	2480	2480	2480	

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature								Total
Rel. Hum.	17.7209	235.39	12.41	11.99	2480	≥73 F	≥67 F	≥62 F	≥50 F	≥80 F	≥93 F	Total		
Dry Bulb	1333720	124461	50.2	5.39	2480		3					744.0		
Wet Bulb	511146	117370	47.3	4.63	2480		2					744.0		
Dew Point	486401	112617	44.6	4.26	2480		5					744.0		

NAVWEASERVCOM

Mean No. of Hours with Temperature

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Ref. Hum.	1777009	273639	22.1	11.899	2480	≥50 F	≥52 F	≥57 F	≥67 F	≥93 F	Total
Dry Bulb	1331770	124461	50.2	5.39	2480	0	0	0	0	0	744.0
Wet Bulb	701146	117370	47.3	4.893	2480	0	0	0	0	0	744.0
Dew Point	499491	117617	44.6	4.960	2480	0	0	0	5.7	0	744.0

PSYCHROMETRIC SUMMARY

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION	
C6276	

STATION NAME	STATION NUMBER	STATION TYPE	STATION STATUS	STATION COMMENTS
STATION 1	100	STATION 1	STATION 1	STATION 1
STATION 2	200	STATION 2	STATION 2	STATION 2
STATION 3	300	STATION 3	STATION 3	STATION 3
STATION 4	400	STATION 4	STATION 4	STATION 4
STATION 5	500	STATION 5	STATION 5	STATION 5
STATION 6	600	STATION 6	STATION 6	STATION 6
STATION 7	700	STATION 7	STATION 7	STATION 7
STATION 8	800	STATION 8	STATION 8	STATION 8
STATION 9	900	STATION 9	STATION 9	STATION 9
STATION 10	1000	STATION 10	STATION 10	STATION 10

YEARS

MONTH

1. 1. 1. 1. 1.

HOURS (L. S. T.)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION	SURFEY ISLAND, N	YEARS	ALL	MONTH
			: AGE 1	HOURS (L.S.T.)

[illegible]

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PSYCHROMETRIC SUMMARY

2097-5432 R/20

STATION
24-55

STATION NAME
MURFREESBORO, TN

2-22

YEARS

211 MONTH

DATE _____ HOURS (L.S.) _____

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL				
																			DB./WB.	Dry Bulb	Wet Bulb	Dew Point			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	11	6	4	1	11	6	4	1
16/17	•	•	•															11				11			
16/17	•	•	•															6				6			
16/11	•	•																4				4			
16/6	•																	1				1			
16/7																									
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NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DAY-TIDE TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-82

WHIDDEY ISLAND, WA

24055

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	37.7 S.D. TOTAL OBS	40.5 5.930 310	47.2 4.998 310	44.6 3.996 300	48.1 3.128 310	51.3 2.549 300	53.5 2.525 310	54.2 2.855 310	52.3 3.860 300	47.2 5.599 310	47.1 7.511 300	41.5 6.928 310	46.3 7.472 3652
"	37.7 S.D. TOTAL OBS	39.9 6.090 310	41.3 5.205 310	43.4 4.125 300	47.0 3.391 310	50.4 2.867 300	52.6 2.795 310	53.4 3.083 310	51.3 4.132 300	46.7 5.595 310	41.5 7.665 300	41.0 7.185 310	45.5 7.479 3652
"	37.7 S.D. TOTAL OBS	39.5 6.207 310	41.7 5.306 310	45.1 3.908 300	49.9 3.169 310	53.5 3.330 300	55.8 3.261 310	55.5 3.275 310	52.9 3.753 300	47.0 5.531 310	41.5 7.692 300	40.5 7.246 310	46.7 8.346 3652
"	39.9 S.D. TOTAL OBS	43.2 5.231 310	46.2 3.996 310	49.7 4.134 300	53.3 3.766 310	56.5 3.688 300	59.1 3.879 310	59.4 4.135 310	58.8 3.969 300	52.7 3.911 310	45.3 5.948 300	42.9 6.770 310	50.6 8.209 3652
"	42.7 S.D. TOTAL OBS	46.1 4.718 310	49.1 4.041 310	52.4 4.545 300	55.8 4.021 310	59.7 4.091 300	62.5 4.170 310	62.5 4.372 310	61.9 4.363 300	55.4 4.212 310	48.7 5.364 300	45.3 5.315 310	53.5 8.375 3652
"	42.1 S.D. TOTAL OBS	45.9 4.488 310	49.3 4.271 310	52.7 4.662 300	55.9 4.231 310	60.1 4.700 300	62.7 4.412 300	63.2 5.015 310	61.7 4.484 300	54.3 3.991 310	46.8 5.344 300	44.2 5.408 309	53.3 8.698 3650
"	39.0 S.D. TOTAL OBS	42.4 5.101 310	45.1 3.519 310	48.9 3.671 300	52.5 3.754 310	56.5 3.819 300	58.8 3.662 310	58.8 4.019 310	56.3 3.298 300	50.2 4.267 310	43.4 7.005 300	41.9 7.053 309	49.5 8.395 3651
"	38.2 S.D. TOTAL OBS	41.0 5.719 310	43.1 4.421 310	46.1 3.659 300	49.5 2.810 310	52.8 2.685 300	54.9 2.657 310	55.4 3.026 310	53.5 3.356 300	48.0 5.173 310	42.3 7.111 300	41.6 7.211 309	47.2 7.670 3651
ALL HOURS	37.3 S.D. TOTAL OBS	42.3 5.970 2450	44.7 5.478 2480	47.9 5.287 2400	51.5 4.778 2480	55.1 4.948 2400	57.5 5.029 2479	57.8 5.213 2480	56.1 5.501 2400	50.2 5.840 2480	43.8 7.166 2400	42.4 6.756 2477	49.1 8.602 29212

MEANS AND STANDARD DEVIATIONS

NET-HOUR TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72-82

STATION NAME

YEARS

STATION

HRS (LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	35.7	39.4	39.9	42.4	45.8	49.1	51.3	52.7	50.1	45.2	39.8	39.3	44.1
S.D.	7.825	5.710	4.734	3.797	2.967	2.353	2.329	2.484	3.814	4.997	7.053	6.675	7.268
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	310	3652
MEAN	36.5	38.0	39.2	41.6	45.0	48.5	50.8	51.6	49.5	45.0	39.3	38.9	43.6
S.D.	7.877	5.849	4.974	3.990	3.201	2.711	2.653	2.814	4.029	5.010	7.185	6.900	7.352
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	310	3652
MEAN	35.3	37.7	39.1	43.2	47.5	50.9	53.6	53.7	51.2	45.3	39.3	38.6	44.6
S.D.	7.943	5.886	5.009	3.679	2.849	2.612	2.574	2.651	3.543	4.857	7.212	6.962	8.108
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	310	3652
MEAN	37.6	40.5	42.6	45.5	48.9	52.5	55.0	55.5	54.7	49.7	42.3	40.5	47.1
S.D.	6.719	4.947	3.832	3.367	2.945	2.851	2.653	2.579	2.944	3.409	5.743	6.029	7.456
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	309	3651
MEAN	39.3	41.0	43.9	46.8	50.1	53.8	56.4	56.9	55.9	50.6	43.6	41.7	48.5
S.D.	6.295	4.400	3.683	3.478	3.156	3.127	2.862	2.820	3.052	3.500	5.310	5.551	7.321
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	310	3652
MEAN	38.7	41.7	43.9	46.8	50.1	53.9	56.4	57.1	55.7	49.8	42.8	41.1	48.2
S.D.	6.323	4.402	3.768	3.490	3.026	3.245	2.886	3.008	3.078	3.473	5.409	5.665	7.520
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	309	3651
MEAN	36.6	39.6	41.7	44.8	48.3	51.9	54.2	54.5	52.4	47.3	40.7	39.5	46.0
S.D.	7.265	5.176	3.715	3.144	2.877	2.999	2.604	2.679	2.958	3.477	6.658	6.836	7.585
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	309	3651
MEAN	36.1	38.6	40.5	43.4	46.7	49.8	52.0	52.7	50.8	45.8	39.9	39.4	44.7
S.D.	7.546	5.480	4.317	3.420	2.685	2.430	2.253	2.419	3.357	4.626	6.677	6.990	7.257
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	309	3651
MEAN	36.7	39.6	41.4	44.3	47.6	51.3	53.7	54.2	52.5	47.3	40.9	39.9	45.9
S.D.	7.356	5.492	4.655	4.007	3.449	3.403	3.320	3.331	4.119	4.800	6.632	6.555	7.607
TOTAL OBS	2423	2256	2480	2400	2420	2400	2480	2480	2400	2480	2400	2476	29212

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION NAME
MILITARY ISLAND, WA

73-82

STATION

STATION NAME

YEARS

HRS(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	32.5	35.5	36.9	39.8	43.5	47.1	49.6	50.3	48.3	43.2	36.8	36.4	41.7
S.D.	9.427	6.966	5.657	4.499	3.583	2.691	2.592	2.757	4.399	5.128	7.972	7.827	8.219
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	299	310	3651
MEAN	32.4	35.2	36.4	39.4	43.1	47.0	49.5	50.2	48.0	43.2	36.4	36.1	41.4
S.D.	9.549	7.109	5.576	4.586	3.794	3.022	2.847	3.064	4.502	5.090	8.106	7.907	8.331
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	310	3652
MEAN	32.7	35.2	36.5	41.0	45.2	48.6	52.0	52.4	49.9	43.5	36.4	35.5	42.4
S.D.	9.664	6.852	5.611	4.427	3.572	2.742	2.698	2.711	3.861	5.099	8.186	8.083	8.991
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	310	3652
MEAN	34.0	37.0	38.2	41.1	44.7	48.8	51.8	52.6	51.4	46.9	38.5	37.2	43.6
S.D.	7.132	6.618	5.773	4.584	3.611	3.239	2.889	2.694	3.918	4.306	7.622	7.752	8.450
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	309	3651
MEAN	34.0	36.6	37.6	41.0	44.5	48.8	51.7	52.7	51.1	46.2	38.2	37.6	43.4
S.D.	7.531	7.379	6.041	4.998	4.261	3.923	3.298	2.911	3.973	4.626	7.805	7.869	8.695
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	310	3652
MEAN	33.6	36.2	37.5	40.5	44.6	49.6	51.6	52.4	50.8	45.7	37.9	37.0	43.1
S.D.	9.553	7.539	6.067	5.151	3.963	3.686	3.309	3.232	4.069	4.489	7.718	7.817	8.727
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	309	3651
MEAN	32.7	35.3	37.6	40.3	44.1	47.7	50.4	51.0	49.1	44.4	37.1	36.3	42.3
S.D.	9.423	7.162	5.487	4.495	3.666	3.380	2.963	2.916	3.827	4.460	7.906	7.943	8.379
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	309	3651
MEAN	32.6	35.6	37.0	40.2	43.9	47.2	49.6	50.4	48.6	43.7	36.7	36.5	41.9
S.D.	9.335	6.898	5.419	4.344	3.400	2.797	2.626	2.806	3.973	4.913	7.806	8.112	8.175
TOTAL OBS	310	252	310	300	310	300	310	310	300	310	300	309	3651
MEAN	33.0	35.0	37.2	40.4	44.2	48.0	50.8	51.5	49.6	44.6	37.2	36.6	42.5
S.D.	9.463	7.087	5.727	4.671	3.792	3.301	2.990	3.063	4.252	4.960	7.919	7.926	8.531
TOTAL OBS	2400	2256	2400	2400	2480	2400	2480	2480	2400	2480	2399	2476	29211

NAVWEASERVCOM

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JAN.	11	100.0	100.0	99.4	99.0	97.1	91.0	82.0	65.5	20.7	82.3	310
	12	100.0	100.0	100.0	98.7	97.1	93.9	84.2	67.4	33.9	83.9	310
	17	100.0	100.0	100.0	99.4	96.5	92.0	86.5	70.3	35.2	84.0	310
	20	100.0	100.0	100.0	98.1	94.2	88.7	79.0	59.4	26.5	80.6	310
	17	100.0	100.0	99.5	91.9	87.1	79.4	60.6	37.1	14.2	72.6	310
	10	100.0	100.0	99.4	95.8	89.7	79.0	61.3	37.4	12.9	73.4	310
	10	100.0	100.0	100.0	98.7	93.0	88.7	77.7	52.6	19.7	79.1	310
	12	100.0	100.0	99.7	98.4	96.0	91.9	80.3	61.3	27.4	81.5	310
TOTALS		100.0	100.0	99.7	97.5	94.1	88.2	76.6	50.4	25.1	79.7	2460

OCEANAV-SMOS

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
12	1	100.0	100.0	100.0	99.3	97.2	94.0	85.5	67.7	27.7	83.3	282
	4	100.0	100.0	100.0	99.6	97.2	94.0	86.9	70.9	30.9	83.9	282
	7	100.0	100.0	100.0	99.6	98.6	95.4	90.1	73.8	34.0	85.3	282
	10	100.0	100.0	100.0	98.9	97.2	90.4	78.4	56.2	27.0	80.0	282
	13	100.0	99.6	98.9	96.2	87.0	75.5	56.0	33.3	17.3	71.4	282
	16	100.0	100.0	97.2	95.4	89.0	75.2	56.0	29.8	8.9	70.7	282
	19	100.0	100.0	99.6	98.2	95.7	91.1	79.1	49.3	13.1	78.5	282
	22	100.0	100.0	99.6	98.9	97.2	95.0	83.7	62.1	20.9	81.8	282
TOTALS		100.0	100.0	99.5	98.3	95.1	92.8	77.0	55.4	21.0	79.4	2256

RELATIVE HUMIDITY

10

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STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
1	01	100.0	100.0	100.0	99.7	97.7	95.6	89.7	61.3	27.0	92.1	310
	-	100.0	100.0	100.0	99.4	99.0	97.1	90.3	65.2	24.5	93.6	310
	02	100.0	100.0	100.0	100.0	99.7	97.7	91.9	63.1	31.0	94.7	310
	03	100.0	100.0	99.7	96.7	93.0	86.5	67.7	31.9	11.3	74.9	310
	04	100.0	100.0	99.0	96.1	87.1	65.8	41.0	14.2	4.2	65.9	310
	05	100.0	99.7	99.0	96.1	82.9	62.3	38.4	13.9	4.8	65.4	310
	06	100.0	100.0	100.0	99.4	96.8	90.6	69.4	32.9	8.1	75.4	310
	07	100.0	100.0	100.0	99.4	98.4	96.5	85.5	51.3	15.5	90.3	310
TOTALS		100.0	100.0	99.7	98.6	96.4	86.5	71.7	42.4	14.9	76.5	2400

OCEANAV-SMOS

30 in MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	100.0	100.0	98.0	92.5	61.0	24.3	83.9	300
	04	100.0	100.0	100.0	100.0	100.0	99.7	93.3	73.3	33.3	86.1	300
	07	100.0	100.0	100.0	100.0	99.7	99.0	93.3	71.3	34.7	86.0	300
	10	100.0	100.0	99.7	98.7	97.0	87.7	61.3	25.0	7.3	73.4	300
	13	100.0	99.7	98.7	97.3	91.3	69.3	36.3	11.7	3.3	66.4	300
	16	100.0	100.0	98.3	95.7	88.7	67.3	30.0	11.3	1.3	64.9	300
	19	100.0	100.0	100.0	98.7	96.7	86.3	62.7	24.0	5.7	73.2	300
	22	100.0	100.0	100.0	100.0	99.7	97.0	36.0	45.7	16.3	80.5	300
TOTALS		100.7	100.0	99.6	98.8	96.4	88.0	69.4	40.7	15.2	76.8	2400

OCEANAV-SMOS

AY

PERIOD

MONTH

MONTH	HOURS (U.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
Jan	21	100.0	100.0	100.0	100.0	100.0	100.0	96.5	66.1	22.3	34.6	310
	24	100.0	100.0	100.0	100.0	100.0	99.7	98.1	76.5	31.6	86.6	310
	27	100.0	100.0	100.0	100.0	99.7	99.0	93.9	64.2	25.1	94.4	310
	1*	100.0	100.0	100.0	99.7	99.4	88.1	60.3	21.3	5.5	73.4	310
	1*	100.0	100.0	100.0	99.0	92.9	72.3	37.7	10.3	1.3	66.9	310
	2*	100.0	100.0	100.0	98.7	91.4	69.0	30.0	9.7	1.3	86.9	310
	1*	100.0	100.0	100.0	100.0	96.8	91.0	66.1	20.0	4.8	73.8	310
	2*	100.0	100.0	100.0	100.0	100.0	96.7	92.9	57.6	11.6	81.5	310
TOTALS		100.0	100.0	100.0	99.7	97.0	89.7	73.1	39.8	13.1	77.3	2400

OCEANAV-SMOS

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
Jan	1	100.0	100.0	100.0	100.0	100.0	100.0	98.0	77.0	10.7	85.7	300
	2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.7	37.3	98.2	300
	3	100.0	100.0	100.0	100.0	100.0	99.3	96.0	64.7	23.0	94.5	300
	4	100.0	100.0	100.0	100.0	100.0	94.0	60.3	23.0	7.3	75.3	300
	5	100.0	100.0	100.0	100.0	96.0	74.3	38.3	10.7	1.3	61.0	300
	6	100.0	100.0	100.0	100.0	93.7	69.3	36.0	10.0	1.3	66.6	300
	7	100.0	100.0	100.0	100.0	99.7	91.0	65.3	13.7	2.3	73.4	300
	8	100.0	100.0	100.0	100.0	100.0	99.3	86.0	51.0	5.0	81.5	300
TOTALS		100.0	100.0	100.0	100.0	98.7	90.9	74.9	43.0	10.2	77.0	2400

202

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUN	01	100.0	100.0	100.0	100.0	100.0	100.0	98.7	78.4	20.2	36.7	310
	02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.2	40.6	89.3	310
	03	100.0	100.0	100.0	100.0	100.0	100.0	97.7	79.0	35.8	87.4	310
	04	100.0	100.0	100.0	100.0	100.0	96.8	78.5	37.1	7.4	77.4	310
	05	100.0	100.0	100.0	100.0	97.1	79.7	30.0	10.5	1.6	69.7	310
	06	100.0	100.0	100.0	100.0	95.9	74.4	38.3	10.4	1.3	67.8	309
	07	100.0	100.0	100.0	100.0	99.0	93.2	67.4	22.6	2.3	74.3	210
	08	100.0	100.0	100.0	100.0	100.0	69.7	73.0	57.7	9.7	92.4	310
	09											
	10											
	11											
	12											
TOTALS		100.0	100.0	100.0	100.0	99.0	97.1	79.4	47.9	15.5	79.3	2079

OCEANAV-SMOS

RELATIVE HUMIDITY

22

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
Jan.	1	100.0	100.0	100.0	100.0	100.0	96.7	96.0	74.7	53.5	97.2	310
	2	100.0	100.0	100.0	100.0	100.0	100.0	99.0	86.2	72.3	89.3	310
	3	100.0	100.0	100.0	100.0	100.0	100.0	97.7	85.2	66.5	89.7	310
	4	100.0	100.0	100.0	100.0	99.0	95.2	77.1	47.2	15.5	79.0	310
	5	100.0	100.0	100.0	98.4	75.9	82.3	50.6	24.2	7.0	71.4	310
	6	100.0	100.0	100.0	98.7	93.9	75.5	44.5	17.1	2.6	69.1	310
	7	100.0	100.0	100.0	100.0	97.7	93.9	73.9	37.6	6.1	76.1	310
	8	100.0	100.0	100.0	100.0	100.0	95.4	73.9	65.8	15.8	83.7	310
TOTALS		100.0	100.0	100.0	99.6	98.3	93.1	79.0	53.6	20.8	80.7	2400

OCEANAV-SMOS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (U.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
Jan	21	100.0	100.0	100.0	100.0	100.0	100.0	98.0	70.3	35.7	86.7	370
Feb	14	100.0	100.0	100.0	100.0	100.0	100.0	98.7	77.3	45.0	80.7	370
Mar	7	100.0	100.0	100.0	100.0	100.0	100.0	99.0	78.0	52.7	89.8	300
Apr	10	100.0	100.0	99.7	99.3	97.7	94.0	72.3	39.3	16.0	77.7	370
May	10	100.0	100.0	99.7	98.7	95.3	76.7	30.7	17.0	4.7	69.0	300
Jun	14	100.0	100.0	99.7	98.3	94.0	75.0	42.0	18.0	3.7	68.6	300
Jul	10	100.0	100.0	100.0	99.7	99.3	91.3	75.7	36.0	9.7	77.4	370
Aug	10	100.0	100.0	100.0	100.0	100.0	99.7	96.3	54.7	24.7	84.0	300
TOTALS		100.0	100.0	99.9	99.0	98.0	92.3	77.7	49.1	24.0	80.2	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME: JOHN F. KELLEY ISLAND, MS PERIOD: 7-1-59 MONTH: SEP

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	100.0	99.4	96.5	76.8	30.4	86.6	310
	02	100.0	100.0	100.0	100.0	100.0	99.7	96.6	77.1	45.2	86.0	310
	03	100.0	100.0	100.0	100.0	99.9	98.4	94.0	77.4	47.1	88.4	310
	04	100.0	100.0	100.0	100.0	98.7	95.5	82.6	52.9	23.5	81.4	310
	05	100.0	100.0	100.0	99.0	96.5	93.9	84.2	24.5	6.5	72.3	310
	06	100.0	100.0	100.0	99.7	97.4	91.0	60.0	22.9	5.4	73.6	310
	07	100.0	100.0	100.0	100.0	99.7	95.1	89.7	50.0	13.9	81.2	310
	08	100.0	100.0	100.0	100.0	100.0	97.7	95.5	70.0	30.3	95.4	310
TOTALS		100.0	100.0	100.0	99.5	95.9	91.3	87.3	56.5	26.7	82.1	2430

OCEANAV-SMOS

NOV

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	21	117.0	110.0	107.0	109.3	98.0	94.0	86.6	58.2	23.1	82.3	299
	22	101.0	105.0	100.0	99.3	98.7	93.7	87.3	62.3	23.7	83.0	300
	23	100.0	100.0	100.0	99.3	99.0	91.3	85.3	60.7	33.3	83.1	300
	24	100.0	100.0	100.0	98.7	94.0	87.3	74.0	46.7	22.3	78.3	300
	25	100.0	100.0	107.0	96.7	88.3	75.0	52.3	23.3	9.0	70.2	370
	26	100.0	100.0	100.0	97.7	93.0	82.3	61.3	25.7	11.0	72.6	300
	27	100.0	100.0	100.0	100.0	97.0	92.3	79.0	49.7	15.7	79.2	300
	28	100.0	100.0	100.0	99.7	98.0	94.3	83.7	60.0	22.7	81.3	300
TOTALS		100.0	100.0	100.0	98.3	95.6	89.4	76.0	41.3	21.6	70.6	2309

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION

WATKINS ISLAND, NC

12-52

DEC

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	99.7	97.1	87.7	62.9	25.2	82.8	310
	02	100.0	100.0	100.0	100.0	99.4	96.8	86.8	64.5	28.4	82.4	310
	03	100.0	100.0	100.0	100.0	99.7	95.2	85.2	59.4	26.1	82.5	310
	04	100.0	100.0	100.0	99.0	97.4	93.2	82.5	58.3	27.2	81.4	309
	05	100.0	100.0	100.0	98.4	95.5	87.7	67.4	36.8	12.6	75.4	310
	06	100.0	100.0	100.0	98.7	96.4	86.0	69.9	48.2	14.9	76.6	309
	07	100.0	100.0	100.0	99.7	99.4	96.1	85.4	56.7	18.4	81.2	309
	08	100.0	100.0	100.0	100.0	99.0	96.1	88.7	62.8	23.6	82.9	309
TOTALS		100.0	100.0	100.0	99.5	98.1	93.7	81.6	54.9	22.1	80.8	2476

OCEANAV-SMOS

RELATIVE HUMIDITY

STATION NAME: WHEATLEY ISLAND, NC PERIOD: 73-82 MONTH: ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.7	97.5	94.1	86.2	76.6	56.4	25.1	79.7	2420
FEB		100.0	100.0	99.5	98.3	95.1	88.8	77.0	55.4	21.0	79.4	2256
MAR		100.0	100.0	99.7	98.6	94.4	86.5	71.7	42.4	14.0	76.5	2420
APR		100.0	100.0	99.6	98.8	96.4	89.0	69.4	43.7	15.8	76.8	2470
MAY		100.0	100.0	100.0	99.7	97.6	89.7	73.1	39.8	13.1	77.3	2460
JUN		100.0	100.0	100.0	100.0	98.7	93.9	74.9	42.0	12.2	77.9	2400
JUL		100.0	100.0	100.0	100.0	99.0	93.0	76.4	47.2	13.5	79.3	2470
AUG		100.0	100.0	100.0	99.6	98.3	93.1	79.2	53.6	27.8	80.7	2480
SEP		100.0	100.0	99.9	99.5	98.3	92.3	77.7	49.1	24.0	80.2	7470
OCT		100.0	100.0	100.0	99.8	98.0	95.3	83.6	56.5	26.7	82.1	2480
NOV		100.0	100.0	100.0	99.8	95.6	89.4	76.2	48.3	20.6	78.8	2300
DEC		100.0	100.0	100.0	99.5	98.1	93.7	81.6	54.9	22.1	80.8	2476
TOTALS		100.0	100.0	99.7	99.2	97.0	90.7	76.5	48.0	17.3	79.1	29210

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION NAME: NAVY TALEN, LA DATE: JANUARY 1973 MONTH: JANUARY YEAR: 1973

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
125											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66				100.0							.1
57 TO 61				66.7	13.3						.2
52 TO 56			1.1	40.6	49.4	1.6	3.1		3.1		2.6
47 TO 51	3.0		7.3	39.7	25.8	1.3	9.6	5.6	7.6	37.7	12.2
42 TO 46	4.6	.4	11.9	34.7	15.7	2.0	13.6	7.3	9.7	71.2	26.7
37 TO 41	6.1	3.7	14.5	37.3	6.5	1.2	3.1	3.7	20.7	64.0	26.0
32 TO 36	5.0	5.0	20.1	30.3	3.9	.6	.6	1.4	24.2	35.0	14.5
27 TO 31	7.3	6.7	19.7	25.1	.9		.9		17.4	21.2	8.8
22 TO 26	10.0	1.4	30.0	27.3	.9				30.9	11.7	4.4
17 TO 21	2.1	6.3	43.6	20.3	2.1				26.0	4.0	1.2
12 TO 16			5.0	6.3					41.7	1.7	.5
7 TO 11			100.0								.2
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	5.1	2.6	19.2	34.1	11.4	1.2	.2	4.0	1.2	24.2	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

WIND DIRECTION

JANUARY 1973 - DECEMBER 1982

STATION

MO. RE. S. T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61				73.3	55.6	11.1				7	.4
52 TO 56	2.7	.9	3.9	51.3	30.1	.7	2.7	1.8	.9	113	5.7
47 TO 51	3.9	.5	2.9	41.6	25.2	1.4	6.3	6.2	6.4	436	19.3
42 TO 46	5.7	1.5	6.5	29.6	20.0	2.7	11.6	8.5	12.4	795	34.8
37 TO 41	5.4	4.3	12.4	29.8	13.5	1.3	4.1	4.5	18.2	537	23.0
32 TO 36	2.6	6.3	29.9	26.7	3.3	1.1		.7	30.4	275	12.0
27 TO 31	4.6	6.9	14.4	33.3	4.6				22.2	97	3.9
22 TO 26	5.3	5.3	10.5	57.9					21.1	19	.8
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
-68 TO -64											
-73 TO -69											
-78 TO -74											
-83 TO -79											
-88 TO -84											
-93 TO -89											
-98 TO -94											
-103 TO -99											
-108 TO -104											
-113 TO -109											
-118 TO -114											
-123 TO -119											
-128 TO -124											
-133 TO -129											
-138 TO -134											
-143 TO -139											
-148 TO -144											
-153 TO -149											
-158 TO -154											
-163 TO -159											
-168 TO -164											
-173 TO -169											
-178 TO -174											
-183 TO -179											
-188 TO -184											
-193 TO -189											
-198 TO -194											
-203 TO -199											
-208 TO -204											
-213 TO -209											
-218 TO -214											
-223 TO -219											
-228 TO -224											
-233 TO -229											
-238 TO -234											
-243 TO -239											
-248 TO -244											
-253 TO -249											
-258 TO -254											
-263 TO -259											
-268 TO -264											
-273 TO -269											
-278 TO -274											
-283 TO -279											
-288 TO -284											
-293 TO -289											
-298 TO -294											
-303 TO -299											
-308 TO -304											
-313 TO -309											
-318 TO -314											
-323 TO -319											
-328 TO -324											
-333 TO -329											
-338 TO -334											
-343 TO -339											
-348 TO -344											
-353 TO -349											
-358 TO -354											
-363 TO -359											
-368 TO -364											
-373 TO -369											
-378 TO -374											
-383 TO -379											
-388 TO -384											
-393 TO -389											
-398 TO -394											
-403 TO -399											
-408 TO -404											
-413 TO -409											
-418 TO -414											
-423 TO -419											
-428 TO -424											
-433 TO -429											
-438 TO -434											
-443 TO -439											
-448 TO -444											
-453 TO -449											
-458 TO -454											
-463 TO -459											
-468 TO -464											
-473 TO -469											
-478 TO -474											
-483 TO -479											
-488 TO -484											
-493 TO -489											
-498 TO -494											
-503 TO -499											
-508 TO -504											
-513 TO -509											
-518 TO -514											
-523 TO -519											
-528 TO -524											
-533 TO -529											
-538 TO -534											
-543 TO -539											
-548 TO -544											
-553 TO -549											
-558 TO -554											
-563 TO -559											
-568 TO -564											
-573 TO -569											
-578 TO -574											
-583 TO -579											
-588 TO -584											
-593 TO -589											
-598 TO -594											
-603 TO -599											
-608 TO -604											
-613 TO -609											
-618 TO -614											
-623 TO -619											
-628 TO -624											
-633 TO -629											
-638 TO -634											
-643 TO -639											
-648 TO -644											
-653 TO -649											
-658 TO -654											
-663 TO -659											
-668 TO -664											
-673 TO -669											
-678 TO -674											
-683 TO -679											
-688 TO -684											
-693 TO -689											
-698 TO -694											
-703 TO -699											
-708 TO -704											
-713 TO -709											
-718 TO -714											
-723 TO -719											
-728 TO -724											
-733 TO -729											
-738 TO -734											
-743 TO -739											

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION: TAP 20 1400 DATE: JANUARY 1978-01-01 YEAR: 1978 MONTH: JANUARY HOURS: 15.00

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66			25.6	42.2	25.6					7	0.3
57 TO 61	5.6	11.1	11.1	33.3	16.7			11.1	11.1	12	0.7
52 TO 56	7.2	1.0	3.6	22.6	32.6	2.6	10.3	16.9	3.1	125	7.9
47 TO 51	7.9	.6	4.3	20.2	21.1	3.3	10.6	17.3	8.7	657	27.9
42 TO 46	9.2	.6	5.9	18.8	13.1	2.4	16.8	14.1	14.1	682	39.6
37 TO 41	6.1	1.5	17.6	27.7	13.7	1.2	4.3	3.6	24.2	797	15.8
32 TO 36	5.5	.7	23.8	30.6	3.4		.7	.7	29.5	146	5.9
27 TO 31	11.1		25.0	27.8					76.1	34	1.6
22 TO 26	71.0			77.0					50.0	17	.9
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	9.5	.9	5.8	22.6	18.2	2.3	12.6	12.4	14.6	2495	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

NAVY ISLAND, SA

JANUARY 1977 - 30 DECEMBER 1982

APRIL

STATION

FACILITY NAME

1120

HEIGHT

NO. OF

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
120+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81			17.0							1	.3
72 TO 76			30.0		17.0					1	.1
67 TO 71	14.3		28.6	14.3	15.6			14.3		7	.3
62 TO 66	23.1		15.4	15.4	15.4	15.4	15.4	7.7	7.7	17	.5
57 TO 61	6.3		7.1	71.1	12.7	2.9	31.6	17.9	4.2	85	4.0
52 TO 56	4.4	.2	2.3	11.8	14.7	5.7	29.6	22.7	5.9	422	17.6
47 TO 51	3.1	.6	2.9	12.1	14.2	6.2	28.5	14.2	13.6	887	37.0
42 TO 46	4.3	.5	7.8	17.6	16.6	3.5	19.3	12.3	11.5	745	30.8
37 TO 41	1.1	.5	19.3	28.9	12.2	1.5	2.9	2.9	31.5	192	8.2
32 TO 36	2.9		25.7	45.7			2.9		22.2	35	1.5
27 TO 31			10.0							1	.1
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-2 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	1.1	.5	1.0	17.0	17.0	4.0	27.7	14.0	1.0	34	1.5

NAVWEASERVCOM

WIND DIRECTION

STATION

1100

JANUARY 1975 - OCTOBER 1982

人子也。

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	ESE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	21.0		20.0		40.0			20.2		5	.2
67 TO 71	11.1			4.0	11.1		55.6	22.2		5	.4
62 TO 66	4.0				12.0	6.7	34.0	28.0	12.0	30	2.0
57 TO 61	3.5		1.0	2.0	10.1	3.1	39.2	30.9	4.2	280	11.5
52 TO 56	2.9	.4	1.4	9.3	10.9	9.2	36.2	19.0	9.3	796	32.1
47 TO 51	2.0	.1	3.4	10.5	10.6	12.6	35.1	11.5	14.1	1039	41.9
42 TO 46	1.5	.6	16.0	21.3	11.0	3.4	16.6	5.3	22.1	263	10.6
37 TO 41		3.3	40.0	16.7	6.7	3.3			10.0	30	1.2
32 TO 36			20.0	50.0						5	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	20.2	.2	4.2	16.9	10.7	9.3	33.7	16.0	12.3	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

JULY

1971-DECEMBER 1982

STATION

122

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ENE & E	ESS & S	SSW & SW	WSW & W	NNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81							100.0	33.3	13.3	1	0.2
72 TO 76							33.3	36.3	3.1	65	7.7
67 TO 71	7.7	1.5	6.2	9.2	11.2	5.3	41.1	28.2	3.2	185	7.9
62 TO 66	4.2	1.1	5.3	7.2	7.7	8.8	44.4	21.4	5.3	57	23.8
57 TO 61	2.8	1.9	7.2	7.5	6.5	17.0	35.4	10.6	14.6	985	41.2
52 TO 56	2.2	3.2	7.5	8.5	5.5	15.4	33.3	5.5	15.5	544	22.7
47 TO 51	1.1	5.9	8.5	27.0	8.1	2.7		5.4	32.1	77	1.5
42 TO 46		2.7	18.9	100.0						1	0.2
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
TOTALS	2.4	0	7.5	100	5.3	17.7	77.4	14	13	24	100.7

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

JULY

JANUARY 1977-DECEMBER 1980

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	E & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71	4.0			3.0	13.0	2.0	37.0	45.0	3.0	2.0	1.0
62 TO 66	2.4		1.1	4.3	5.9	9.1	42.0	33.0	1.0	101	4.1
57 TO 61	2.4	.1	1.3	7.2	6.7	12.0	40.2	18.0	0.5	37	14.0
52 TO 56	2.0	.2	1.8	4.0	4.4	20.0	37.1	7.6	11.0	703	30.8
47 TO 51	1.1		7.6	9.7	9.4	12.4	27.0	2.0	21.0	1070	41.4
42 TO 46			16.7	50.0					34.0	105	7.5
37 TO 41									71.0	4	.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-12 TO -9											
-16 TO -14											
-20 TO -19											
-24 TO -24											
-28 TO -29											
-32 TO -34											
-36 TO -39											
-40 TO -44											
-48 TO -49											
-52 TO -54											
-56 TO -59											
TOTALS	2.4	.1	1.9	5.0	5.0	14.0	37.7	16.4	16.0	2470	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION TULSA, OK JANUARY 1973-01 DECEMBER 1973 1 AUGUST

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	ESW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	5.0				15.0		24.4	64.7		17	.7
72 TO 76	7.7			3.0	17.0	3.2	11.4	53.3	1.3	79	1.6
67 TO 71	7.1			5.0	9.7	4.5	22.7	39.3	7.4	94	3.2
62 TO 66	4.2		1.7	9.7	9.7	4.5	34.8	30.0	5.4	100	15.3
57 TO 61	4.5	.1	2.0	9.7	11.0	10.7	29.0	15.5	15.8	791	31.0
52 TO 56	2.6	.2	2.3	6.5	7.6	18.1	31.0	6.0	25.3	1714	41.1
47 TO 51	2.3		7.0	9.4	3.1	9.4	14.6	1.9	50.0	127	5.2
42 TO 46			.2	41.7					50.0	17	.5
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-12 TO -8											
-16 TO -12											
-20 TO -16											
-24 TO -20											
-28 TO -24											
-32 TO -28											
-36 TO -32											
-40 TO -36											
-44 TO -40											
-48 TO -44											
-52 TO -48											
-56 TO -52											
GRAND TOTALS	10.4	.4	7.0	7.0	10.1	10.1	7.0	1.0	1.0	29	1.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86				100.0						1	1
77 TO 81				100.0	100.0					1	1
72 TO 76	15.0			100.0	100.0			100.0		1	1
67 TO 71	5.0		4.1	13.7	12.3	2.7	23.3	37.0	1.0	77	7.0
62 TO 66	5.0		.7	13.1	15.7	3.6	20.4	20.4	1.3	77	7.0
57 TO 61	5.4	.1	1.1	10.1	13.6	5.4	10.1	21.0	13.3	671	25.0
52 TO 56	4.5	.1	1.1	13.9	5.4	6.4	15.5	13.0	34.5	800	35.0
47 TO 51	1.3	.0	12.5	16.2	4.4	1.6	6.0	4.0	51.2	3.4	16.0
42 TO 46			21.3	25.3	1.3		1.3		31.0	73	7.0
37 TO 41			25.0	25.0	25.0				50.0	0	0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 5											
0 TO 4											
12 TO 16											
16 TO 20											
-2 TO 2											
-6 TO -10											
-10 TO -14											
-14 TO -18											
-18 TO -22											
-22 TO -26											
-26 TO -30											
-30 TO -34											
-34 TO -38											
-38 TO -42											
-42 TO -46											
-46 TO -50											
-50 TO -54											
-54 TO -58											
-58 TO -62											
TOTALS	4.0	.3	6.6	10.0	10.2	4.0	15.3	17.0	70.1	2000	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME

DATE

TIME

MOON

WIND

TEMP.

PRESS.

HUMID.

VISIB.

CLOUDS

SEA

WAVE

SWELL

CURRENT

TIDE

OTHER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66	4.4	.2	20.2	24.4	26.7	11.1	26.7	4.4		7	.1
57 TO 61	5.1	.7	1.6	27.4	4.7	12.8	16.4	4.7		40	1.0
52 TO 56	5.9	.7	4.3	22.7	4.3	12.9	15.7	11.6		274	11.1
47 TO 51	5.6	.7	6.6	26.8	1.4	11.2	1.7	26.1		753	32.4
42 TO 46	2.4	.5	16.5	31.6	.3	.3	1.6	73.1		814	32.5
37 TO 41	1.2	.5	23.4	26.8	7.6			42.5		377	15.1
32 TO 36			22.6	48.4				26.1		103	7.6
27 TO 31										31	1.3
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-12 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
TOTALS	4.4	.2	20.2	24.4	26.7	11.1	26.7	4.4		274	11.1

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: MC 122 FULTON, 3 DATE: JANUARY 1972-01 YEAR: 1972 MONTH: JANUARY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66				47.5	4.5					12	5
57 TO 61	7.3		2.3	37.2	21.2			2.3	4.7	43	10.0
52 TO 56	2.1	.4	1.2	35.4	43.8			4.1	1.2	242	10.1
47 TO 51	5.9	.3	7.7	33.0	20.1	2.5	2.9	4.8	12.1	613	25.5
42 TO 46	7.5	2.5	12.3	34.3	17.4	.4	7.0	4.5	13.6	718	20.9
37 TO 41	5.3	4.2	27.2	34.3	5.8	.3	.3	1.0	21.9	397	16.5
32 TO 36	4.0	6.2	20.6	34.5	2.7		.4		22.6	226	7.4
27 TO 31	6.4	5.5	19.3	34.2	3.7			.7	29.4	1.3	4.8
22 TO 26	5.6	5.6	27.8	33.9	2.6				10.4	36	1.5
17 TO 21	20.0			25.0					60.0	5	.2
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	7.6	2.0	14.0	34.5	17.3	.7	5.6	4.3	14.4	242	10.0

NO. 100

WIND DIRECTION

TEMP.	WIND DIRECTION								TOTAL FREQ.	C OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW		
122.										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86										
77 TO 81										
72 TO 76										
67 TO 71										
62 TO 66										
57 TO 61				36.4	67.6					11
52 TO 56			7.3	47.4	44.8	.9	2.6	.9	2.6	116
47 TO 51	1.9	.3	7.3	43.8	21.9	2.3	12.1	4.9	7.1	580
42 TO 46	4.9	1.2	10.6	28.0	14.6	1.4	11.7	6.3	8.4	786
37 TO 41	6.7	4.9	11.3	36.5	7.2	.8	2.2	2.3	16.9	339
32 TO 36	4.7	3.1	24.8	34.5	5.1	.4		.9	21.6	265
27 TO 31	5.0	9.3	24.0	27.3					35.5	171
22 TO 26	11.1	18.5	40.7	11.1				3.7	14.8	27
17 TO 21		20.0	66.7						15.3	15
12 TO 16		44.4	73.3	11.1					11.1	6
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-59 & LVP										
TOTALS	11.1	2.0	11.0	37.0	1.0	1.1	7.4	.9	13.0	2477

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: NAVY COLAS, 12 MONTH: ALL YEAR: 1971-1972 HOURS: 1500

WIND DIRECTION

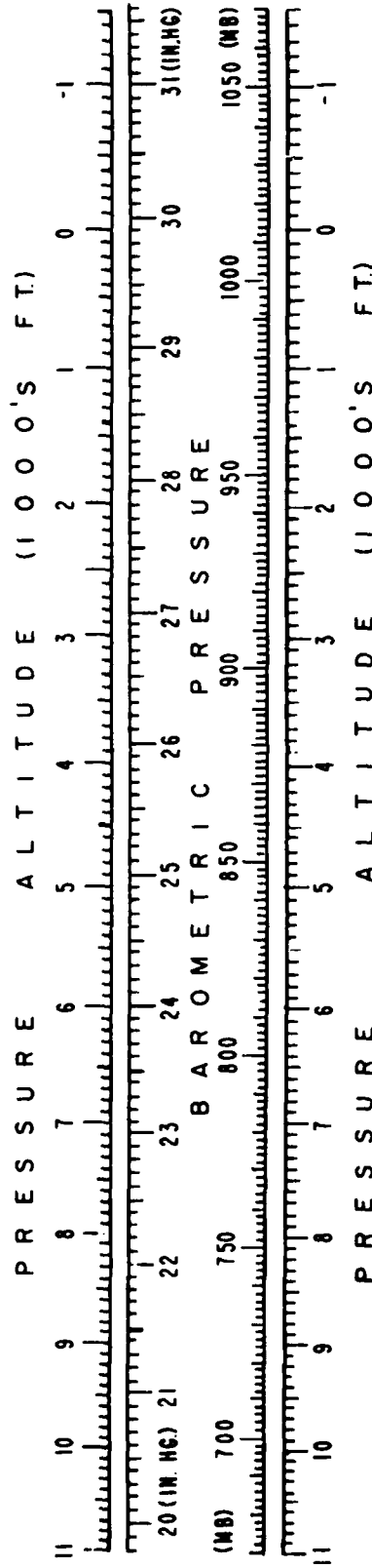
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86				100.0						1	.1
77 TO 81	4.3		4.3	4.3	6.7		26.1	52.2		21	.1
72 TO 76	6.6		6.6	3.4	12.5		17.0	63.0	3.0	32	.1
67 TO 71	4.3		1.7	6.6	14.2	2.0	30.4	37.9	7.1	302	1.2
62 TO 66	4.3		1.2	7.9	11.3	4.4	35.3	29.7	5.9	1272	4.7
57 TO 61	3.8	.2	2.0	12.8	12.3	8.3	30.9	19.2	15.5	3537	12.1
52 TO 56	3.5	.3	3.3	13.5	13.0	11.7	26.2	11.4	17.0	6602	22.6
47 TO 51	3.9	.4	6.1	22.2	15.0	5.3	19.8	9.9	17.0	6656	22.6
42 TO 46	5.6	1.1	10.4	23.3	16.4	2.1	12.4	8.3	15.5	5502	18.8
37 TO 41	5.2	3.2	20.9	32.6	6.9	.3	7.8	2.9	22.5	2035	10.2
32 TO 36	4.2	4.4	26.8	32.2	3.3	.5	.5	.8	25.3	1325	4.5
27 TO 31	6.5	7.2	23.4	23.8	1.7		.2	.2	26.9	577	2.0
22 TO 26	9.4	5.0	27.7	30.2	1.0		.3	.3	26.2	202	.7
17 TO 21	1.5	10.3	45.6	16.2	1.5				22.1	68	.2
12 TO 16		17.0	42.9	9.5					23.6	21	.1
7 TO 11			15.0							1	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVP											
TOTALS	4.4	1.1	.7	21.6	12.6	5.7	10.9	11.1	12.0	3820	100.0

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STILLAGE, C. A. THERM. 100.500 7.03.1955

STATION	STATION NAME	YEARS												
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1	MEAN	1017.4	1015.7	1014.0	1017.2	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.200	7.711	7.900	7.112	6.540	4.16	3.540	3.757	5.317	7.592	9.214	10.012	7.424
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
2	MEAN	1017.4	1015.4	1014.7	1017.2	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.176	9.274	8.087	7.234	6.551	4.195	3.527	3.773	5.410	7.644	9.163	9.973	7.407
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
3	MEAN	1017.4	1015.4	1014.9	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.118	9.009	8.259	7.338	6.761	4.327	3.520	3.511	5.508	7.793	9.445	9.973	7.571
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
4	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
5	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
6	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
7	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
8	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
9	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
10	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
11	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
12	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
13	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
14	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
15	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
16	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
17	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
18	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
19	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
20	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
21	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
22	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
23	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
24	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
25	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.723	4.302	3.506	3.557	5.545	7.864	9.502	9.891	7.569
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3000
26	MEAN	1017.4	1015.4	1015.0	1017.7	1017.0	1017.5	1017.7	1016.4	1016.6	1017.7	1016.5	1016.6	1016.2
	S. D.	10.085	9.009	8.269	7.358	6.7								

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

73-27

WINDLEY ISLAND, MA

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	70.002	29.956	29.931	30.033	30.005	30.006	30.010	29.977	29.983	30.016	29.983	29.978	29.998
S. D.	.302	.236	.234	.211	.164	.122	.105	.111	.159	.225	.274	.297	.220
TOTAL OBS	310	202	310	200	310	300	310	310	300	310	300	310	3652
MEAN	70.012	29.949	29.926	30.002	30.006	30.010	30.015	29.979	29.994	30.010	29.980	29.983	29.998
S. D.	.302	.291	.240	.214	.167	.125	.105	.112	.160	.227	.278	.295	.222
TOTAL OBS	310	202	310	200	310	300	310	310	300	310	300	310	3652
MEAN	70.007	29.948	29.934	30.015	30.022	30.025	30.035	29.997	30.000	30.016	29.981	29.982	29.997
S. D.	.302	.293	.245	.217	.170	.129	.104	.113	.164	.231	.281	.293	.234
TOTAL OBS	310	202	310	200	310	300	310	310	300	310	300	310	3652
MEAN	70.008	29.965	29.951	30.025	30.027	30.028	30.041	30.074	30.011	30.030	29.999	30.005	30.010
S. D.	.299	.293	.245	.218	.169	.131	.104	.114	.164	.233	.282	.293	.229
TOTAL OBS	310	202	310	200	310	300	310	310	300	310	300	310	3652
MEAN	70.005	29.954	29.940	30.017	30.019	30.021	30.034	29.993	29.998	30.014	29.979	29.986	29.997
S. D.	.296	.298	.243	.213	.169	.129	.103	.115	.162	.228	.279	.293	.222
TOTAL OBS	310	202	310	200	310	300	310	310	300	310	300	310	3652
MEAN	70.006	29.939	29.921	29.997	30.002	30.005	30.015	29.970	29.976	29.998	29.969	29.981	29.981
S. D.	.293	.293	.234	.213	.160	.129	.104	.114	.157	.221	.273	.284	.218
TOTAL OBS	310	202	310	200	310	300	310	310	300	310	300	309	3651
MEAN	70.007	29.940	29.920	29.998	29.992	29.995	30.001	29.957	29.970	30.000	29.971	29.979	29.976
S. D.	.293	.291	.230	.205	.158	.125	.103	.112	.154	.221	.272	.297	.216
TOTAL OBS	310	202	310	200	310	300	310	310	300	310	300	309	3651
MEAN	70.005	29.945	29.934	30.009	30.006	30.006	30.012	29.970	29.982	30.010	29.976	29.986	29.997
S. D.	.294	.283	.232	.205	.160	.123	.104	.114	.155	.222	.274	.299	.218
TOTAL OBS	310	202	310	200	310	300	310	310	300	310	300	309	3651
MEAN	70.007	29.950	29.932	30.007	30.010	30.012	30.020	29.981	29.983	30.012	29.983	29.985	29.990
S. D.	.298	.287	.238	.212	.164	.127	.105	.119	.160	.220	.276	.295	.221
TOTAL OBS	2900	2254	2481	2400	2480	2400	2480	2480	2400	2480	2400	2477	29213

END

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